

Commonwealth of Pennsylvania.

DEPARTMENT OF AGRICULTURE—BUREAU OF CHEMISTRY

BULLETIN No. 208

COMMERCIAL FEEDING STUFFS

OF PENNSYLVANIA IN 1910

THEIR CHEMICAL AND MICROSCOPICAL EXAMINATION

JAMES W. KELLOGG, Chief Chemist



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LETTER OF TRANSMITTAL.

DEPARTMENT OF AGRICULTURE.
BUREAU OF CHEMISTRY.

Harrisburg Pa., April 19, 1911.

Hon. N. B. Critchfield,
Secretary of Agriculture,
Harrisburg, Pa.

Dear Sir: I have the honor to transmit herewith a report of the chemical analyses and microscopical work performed by this Bureau in the examination of samples of commercial feeding stuffs collected in the open markets of the State during 1910.

Such additional information is included in this report as was considered to be of importance.

Very respectfully,

JAMES W. KELLOGG,
Chief Chemist.



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COMMERCIAL FEEDING STUFFS

OF

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IN

1910.

Their Chemical and Microscopical Examination.

JAMES W. KELLOGG.*

INTRODUCTION.

This bulletin is a report of the work performed by the Bureau of Chemistry, of the Pennsylvania Department of Agriculture, and includes the results of the analyses and examinations of 1,500 samples of commercial feeding stuffs secured in the open markets of the State by Special Agents of the Department, during the year 1910. It also includes a report of the analyses of special samples of feeding stuffs sent in by manufacturers and dealers of Pennsylvania, together with such other information as was thought to be of importance. All the samples of feeding stuffs received during the year were covered by the Feeding Stuff Law, Act No. 224, approved May 3d, 1909.

This law restricts the content of crude fiber to nine per cent. in the brands of feeding stuffs where oat hulls are used as one of the ingredients and also prohibits the use of rice hulls, peanut shucks and weed seeds.

*Assisted by John S. Spicer, George L. Walters, Malcolm H. Ulman, Elmer C. Gildroy and W. Earl Huber. The microscopical work herein reported was performed by Mr. Spicer.

The result of the year's inspection shows that the number of violations has decreased materially over that found in previous years. In the majority of cases those feeds which contained oat hulls, were found to contain crude fiber very close to that required by law. No samples were found to contain peanut shucks and rice hulls, as was found to be the case during the work of former years.

It is gratifying to report that no samples of wheat bran or wheat mixed feeds were found to be adulterated with ground corn cobs, as was also found to be the case in samples previously examined.

In a large number of the samples of mixed feeds, weed seeds were found present in varying amounts, from only traces to considerable proportions, although the character of these feeds has materially improved over those examined during 1909. However, there is marked room for improvement.

No samples of molasses feeds were found to be adulterated with peanut shucks or rice hulls, which proves conclusively that the present feeding stuff law has been the means of driving from the markets, molasses feeds which were formerly found to be adulterated with these products. The number of feeding stuffs found on the market composed of maize products, including ground corn cobs has apparently been reduced, as only a few samples of this grade of goods were received during the year. While a large number of the wheat and rye offals and mixtures of whole grain feeds were not required to be guaranteed by the Feeding Stuff Law for protein, fat and fiber, a large percentage of those received were found to be so guaranteed, and the number of deficiencies in these products, as well as in the brands of feeding stuffs required to be guaranteed was found to be less than observed last year.

Of the 1,500 samples received 1,241 or 82.73 per cent. were guaranteed and in the majority of cases, the composition or list of ingredients was guaranteed upon the sacks containing the same, or upon attached cards. The number of deficiencies in protein and fat was found to be less during this year, except in the case of protein alone, than in the four preceding years. In Table V will be noted the percentage decrease in deficiencies during the last five years.

The number of prosecutions during 1910 for violation of the Feeding Stuff Law has been less than the number of cases in 1909. Copies of the law have been sent to a large number of dealers and manufacturers and as a rule a ready willingness has been shown to comply with its requirements. This has been the means of reducing the number of violations. Where special feeding stuffs have been sent in for analysis, inquiries have been made in regard to the guaranteeing of these products, and in these cases where a special effort has been made to find out the exact composition of feeding stuffs and the

proper guarantees placed on the packages containing such products, the subsequent analyses of such samples showed that these guarantees were more truly given than has often been found to be the case.

We have received a great many inquiries concerning the character and feeding value of feeding stuffs, requests for bulletins, copies of laws, and for special information in regard to rations for feeding purposes. In so far as possible these inquiries have been answered and requests for information and data have been complied with.

ACKNOWLEDGMENTS.

To the Hon. N. B. Critchfield, Secretary of Agriculture, we extend many thanks for the encouragement and innumerable courtesies received during the year.

To each member of the Bureau staff is due a full measure of appreciation for their faithful assistance and co-operation.

Many thanks are also due to our General Agent, Mr. G. G. Hutchison, for the able performance of his many duties, and to the various trade journals, the press and to the manufacturers of and dealers in feeding stuffs, who have shown such a ready willingness to co-operate with the Department in the enforcement of the Feeding Stuff Law.

ANALYSES OF SAMPLES OF FEEDING STUFFS RECEIVED FROM MANUFACTURERS AND PURCHASERS OF THE SAME LOCATED IN PENNSYLVANIA.

During the year, 238 special samples of feeding stuffs were sent to the Bureau for analysis, by manufacturers of, dealers in or purchasers of feeding stuffs, located within the State, together with the fee of one dollar for each analysis, as provided for by law. Reports were made in each case to the parties sending the samples, and in a number of cases, inquiries were sent in regard to the composition of the same, as well as to the method of guaranteeing and labeling. Fees received for these analyses were covered into the State Treasury, as provided for by law.

This provision in the law, making it possible for manufacturers, dealers and others selling or purchasing feeding stuffs located within the State, to send samples to the Department for analysis, was made in order that such parties might ascertain the true character of their feeding stuffs, and to enable them to properly guarantee their products for protein, fat and fiber, as well as to find out whether or not the goods were as guaranteed by the manufacturers. The analyses made on these samples have been the means of making satisfactory settlements, where it was found that the protein and fat were considerably lower than the guarantees. It has also been the means of causing several brands of products to be properly guaranteed and preventing thereby dealers selling such brands, from being liable for prosecution for violation of the law, where the contents of protein, fat and fiber were not as stated on the sacks or cards.

The following table (No. 1), gives the results of the analyses of the special samples, together with the brand names or the names of the feeding stuffs and the names of the parties from whom they were received.

TABLE I.—ANALYSES OF SAMPLES OF FEEDING STUFFS RECEIVED
FROM MANUFACTURERS AND PURCHASERS OF THE SAME
LOCATED IN PENNSYLVANIA.

Chief Chemist's number.	Name of Feeding Stuff.	Received from—	Crude protein.	Crude fat.	Crude fiber.
			Per ct.	Per ct.	Per ct.
F 863	Malt sprouts, -----	E. A. Poth & Sons, Philadelphia,--	30.13	2.13	12.19
F 864	F. P. C. Pigeon Feed, -----	F. P. Cassel & Son, Lansdale,---	11.88	3.58	2.61
F 865	Corn and oats chop, -----	The Reed Milling Co., Erie, -----	10.00	4.58	5.07
F 866	Mash for chickens, -----	Dickson Mill and Grain Co., Scranton.	20.00	5.30	7.32
F 867	Stock food, -----	D. B. Baxter, Montrose, -----	24.69	3.92	11.13
F 868	Buckwheat middlings, -----	H. J. Klingler & Co., Butler, ----	8.75	2.04	32.40
F 869	Distillers' grains, -----	The Angelo Myers Distillery, Philadelphia.	16.31	10.75	15.50
F 870	Cottonseed meal, -----	R. H. Long, Drumore, -----	37.94	7.65	9.50
F 871	Gluten feed, -----	Frank Bosworth, Rome, -----	26.56	5.00	6.82
F 872	Chop feed, -----	Dayton Milling Co., Towanda,---	9.13	4.15	5.51
F 873	Brewers' grains No. 1, -----	Stegmaier Brewing Co., Wilkes- Barre.	28.13	6.78	13.25
F 874	Brewers' grains No. 2, -----	Stegmaier Brewing Co., Wilkes- Barre.	26.69	6.60	13.89
F 875	Corn distillers' grains, -----	E. H. Keen & Co., Parkesburg,--	28.25	11.98	12.75
F 876	Chop feed, -----	Burkley Bros., Lanesboro, -----	10.50	5.65	5.67
F 877	Cottonseed meal, -----	W. E. Savacool, Benjamin, -----	41.25	6.63	10.96
F 878	Brewers' grains No. 3, -----	Stegmaier Brewing Co., Wilkes- Barre.	25.00	6.33	14.17
F 879	Mixed chop feed, -----	Stapleton & McClain, Saxton, ---	10.13	3.70	5.06
F 880	Poultry tonic, -----	G. Walter Smith, Chambersburg,--	8.25	3.43	10.54
F 881	K. K. K. gluten feed, -----	A. C. Wertz & Bro., Reading,-----	23.63	4.18	6.92
F 882	"Richland" mixed feed, ----	C. H. Schmucker, Friedens,-----	9.56	2.03	35.28
F 883	Oat bran, -----	L. J. Wagner, Philadelphia, -----	9.56	4.58	23.68
F 884	Fine meat meal, "S," -----	F. P. Cassel & Son, Lansdale, --	68.19	4.94	1.41
F 885	Primo Golden Dairy Feed,--	Penna. Primo Feed Co., Harris- burg.	24.31	6.14	11.35
F 886	Primo Hercules Horse and Mule Feed.	Penna. Primo Feed Co., Harris- burg.	11.56	4.49	6.19
F 887	Primo Scratch Feed, -----	Penna. Primo Feed Co., Harris- burg.	10.50	3.84	4.64
F 888	Primo Sylva Scratch Feed,--	Penna. Primo Feed Co., Harris- burg.	8.44	3.18	2.67
F 889	Primo Matchless Egg Maker	Penna. Primo Feed Co., Harris- burg.	12.00	4.23	3.18
F 890	Primo Purity Pigeon Feed,--	Penna. Primo Feed Co., Harris- burg.	11.00	3.05	3.02
F 891	Primo Pullet Feed, -----	Penna. Primo Feed Co., Harris- burg.	10.06	3.29	2.09
F 892	Primo Little Jewel Chick Feed.	Penna. Primo Feed Co., Harris- burg.	11.94	4.08	2.11
F 893	Distillers' dried rye grains,--	Moss Distilling Co., Pittsburg, --	15.38	8.56	14.58
F 894	Laxo cake meal, -----	Thompson & Co., Allegheny, -----	28.50	8.37	9.22
F 895	Federal Poultry Food, -----	Federal Stock Food Co., Mifflin- burg.	17.25	12.77	8.22
F 896	Federal Stock Food, -----	Federal Stock Food Co., Mifflin- burg.	19.38	13.45	12.79
F 897	Scratch feed, -----	Delph, Ettinger & Co., Philadel- phia.	10.75	3.37	2.91
F 898	Refuse middlings, -----	Canonsburg Milling Co., Canons- burg.	18.31	9.68	5.08
F 899	Mash feed, -----	Wopsy Poultry Yards, Altoona,--	20.88	6.54	5.03
F 900	Beef scraps, -----	Wopsy Poultry Yards, Altoona,--	62.69	9.95	1.80
F 901	Light linseed meal, -----	The Buckwalter Supply Co., Lan- caster.	38.56	5.74	6.65
F 902	Dark linseed meal, -----	The Buckwalter Supply Co., Lan- caster.	37.00	5.72	7.24
F 903	Big Milk Cow Feed, -----	Good Times Supply Co., Gale- ton.	19.56	4.76	11.37
F 904	Wheat Middlings, -----	G. D. Benn, Coalport, -----	17.06	4.43	3.63
F 905	Hammond Dairy Feed, ----	Henry N. Schleifer, Allentown,---	15.50	5.94	11.81
F 906	Hammond Dairy Feed, ----	John G. Early, Palmyra, -----	17.88	5.63	13.04
F 907	Cottonseed feed, -----	E. H. Keen & Co., Parkesburg,--	7.38	1.83	33.22
F 908	Dried distillers' grain from rye.	Vandergrift Distilling Co., Pitts- burg.	13.06	7.85	18.02
F 909	Distillers' grains, -----	The Large Distilling Co., Pitts- burg.	14.25	7.13	15.37

TABLE I.—Continued.

Chief Chemist's number.	Name of Feeding Stuff.	Received from—	Crude protein.	Crude fat.	Crude fiber.
			Per ct.	Per ct.	Per ct.
F 910	Rye middlings, -----	Blank & Gottshall, Sunbury, ----	15.44	3.90	5.12
F 911	No. 3 Stock feed, -----	Miner, Hillard Milling Co., Wilkes-Barre.	12.00	6.75	8.15
F 912	Chop feed, -----	Goff & Barclay, Du Bois, -----	7.63	3.49	8.86
F 913	Brewers' dried grains, -----	Penn Grain and Feed Co., Philadelphia.	27.50	7.68	14.59
F 914	Dried distillers' grains from rye.	Vandergrift Distilling Co., Pittsburgh.	14.06	8.85	17.90
F 915	Sugarota Dairy Feed, -----	Henderson Supplee & Sons, Conshohocken.	18.63	7.25	10.55
F 916	Gluten feed "A," -----	James M. Hallman Est., Pottstown.	19.00	8.45	7.12
F 917	Dairy feed, -----	Altoona Feed Mills, Altoona, ----	7.63	3.78	9.37
F 918	Horse chop, -----	Altoona Feed Mills, Altoona, ----	12.75	5.52	7.47
F 919	Alfalfa mixed feed, -----	Hiram Altman & Son, Manor, ----	11.00	4.20	7.12
F 920	"Sugarota" Dairy Feed, ---	E. H. Kane, Philadelphia, -----	18.56	7.18	10.64
F 921	Cottonseed meal, -----	City Roller Mills, New Castle, ---	36.50	10.80	10.24
F 922	Hammond Dairy Feed, ----	T. S. Snyder, Brodbeck's, -----	17.38	5.35	11.58
F 923	Mixed chop, -----	H. L. Garrison & Bro., Berwick, --	9.81	3.85	3.11
F 924	Mixed feed, -----	H. L. Garrison & Bro., Berwick, --	11.69	4.38	4.74
F 925	"C & B" feed, -----	J. S. Weaver, New Providence, ---	12.69	5.30	4.89
F 926	Mixed feed, -----	John M. Lynch, Waterford, -----	10.44	2.66	3.24
F 927	Clinton gluten feed, -----	C. W. Wager & Co., Philadelphia, --	21.75	4.93	6.27
F 928	Mixed feed, -----	SpanogleKeager Milling Co., Lewistown.	11.56	4.42	5.23
F 929	Barley skalplings, -----	Geo. M. Roueche, Meadville, -----	6.31	1.92	22.70
F 930	Sugarota Dairy Feed, -----	William F. Fretz, Pipersville, ----	16.13	6.62	11.95
F 931	Feed "Circle No. 1," -----	M. F. Baringer, Philadelphia, -----	7.56	3.33	8.57
F 932	Feed "Circle No. 2," -----	M. F. Baringer, Philadelphia, -----	8.31	4.58	7.57
F 933	Mixed feed, -----	J. G. Kimble, Fishing Creek, -----	10.75	4.72	11.29
F 934	Refuse middlings, -----	Dunlap Bros., Canonsburg, -----	17.19	6.74	9.37
F 935	Distillers' grains, -----	Truman D. Dunn, Herriek Center.	28.94	12.58	10.75
F 936	"Belvidere" brewers' grains,	M. F. Baringer, Philadelphia, -----	28.69	9.28	12.46
F 937	Dried brewers' grains "A,"	E. Dalett Hemphill, West Chester.	27.31	7.52	13.36
F 938	Corn, oats and rye feed, ---	Manbeck & Nelson, Mifflin, -----	11.44	4.21	3.44
F 939	Egg maker feed, -----	Blue Grass Veterinary Remedy Co., Harrisburg.	16.63	5.85	5.51
F 940	Chick feed, -----	Blue Grass Veterinary Remedy Co., Harrisburg.	11.88	4.53	5.96
F 941	Dried brewers' grains "A,"	Penn Grains and Feed Co., Philadelphia.	30.63	8.98	12.80
F 942	Dried brewers' grains "B,"	Penn Grains and Feed Co., Philadelphia.	23.75	7.04	17.82
F 943	Mixed feed, -----	Wm. O. Williams, Portland, -----	10.56	3.33	3.02
F 944	Glutena meal, -----	R. R. Jones, Narcessa, -----	12.50	2.69	4.23
F 945	W. M. C. Scratch Feed, ---	Wertz Milling Co., Reading, -----	11.19	3.22	3.13
F 946	H. T. Horse Feed, -----	The H. T. Stock Food Co., New Brighton.	17.13	5.62	6.28
F 947	H. T. Poultry Food, -----	The H. T. Stock Food Co., New Brighton.	19.50	5.40	5.26
F 948	Napoleon flour, -----	Harrisburg Baking Co., Harrisburg.	14.44	1.65	0.30
F 949	Producers flour, -----	Harrisburg Baking Co., Harrisburg.	15.81	1.73	0.50
F 950	Chicken feed, -----	Manbeck & Nelson, Mifflin, -----	14.00	5.05	2.56
F 951	No. 1 Feed, -----	Warr & Canby, Philadelphia, -----	10.94	7.30	4.85
F 952	No. 2 Feed, -----	Warr & Canby, Philadelphia, -----	9.19	7.67	11.22
F 953	No. 2½ Feed, -----	Warr & Canby, Philadelphia, -----	10.13	8.00	8.26
F 954	No. 3 Feed, -----	Warr & Canby, Philadelphia, -----	11.50	7.69	13.86
F 955	No. 3½ Feed, -----	Warr & Canby, Philadelphia, -----	10.75	8.09	9.88
F 956	No. 1, Feed, -----	Kutztown Roller Mills, Kutztown, --	8.31	3.96	1.85
F 957	No. 2 Feed, -----	Kutztown Roller Mills, Kutztown, --	13.00	12.50	4.98
F 958	No. 3 Feed, -----	Kutztown Roller Mills, Kutztown, --	9.38	4.63	1.55
F 959	No. 4 Feed, -----	Kutztown Roller Mills, Kutztown, --	8.13	5.48	9.03
F 960	Maltine Dairy Feed, -----	Miller & Neal, Warren, Ohio, -----	26.29	4.78	9.82
F 961	Dried Brewers' Grains, ----	Rosekraus-Snyder Co., Philadelphia.	27.69	8.33	14.39
F 962	Sterling Stock Feed, -----	Wm. T. Snyder, Reading, -----	12.31	4.68	5.81
F 963	No. 1 Feed, -----	J. M. Hayes' Co., Montoursville, --	9.13	5.23	2.73
F 964	No. 2, Feed, -----	J. M. Hayes' Co., Montoursville, --	9.88	4.93	4.82

TABLE I.—Continued.

Chief Chemist's number.	Name of Feeding Stuff.	Received from—	Crude protein.	Crude fat.	Crude fiber.
			Per ct.	Per ct.	Per ct.
F 965	No. 3 Feed, -----	J. M. Hayes' Co., Montoursville,	10.19	4.83	2.57
F 966	Corn and oat chop, -----	S. E. Delinger, Port Royal, -----	10.13	4.34	3.91
F 967	H. T. Dairy Feed, -----	H. T. Stock Food Co., New Brighton.	17.06	5.19	6.22
F 968	Mixed feed, -----	Warr & Canby, Philadelphia, ----	9.50	4.64	8.15
F 969	Poultry food, -----	Colonial Stock Food Co., Montrose.	13.50	3.42	8.98
F 970	No. 1 Horse Feed, -----	Chester Milling Co., Chester,-----	11.81	4.92	8.10
F 971	No. 2 Chick Feed, -----	Chester Milling Co., Chester,-----	9.56	3.07	2.72
F 972	No. 3 Scratch Feed, -----	Chester Milling Co., Chester,-----	10.25	4.90	5.85
F 973	L. & S. Poultry Mash, -----	Levan & Sons, Columbia, -----	15.31	4.46	7.42
F 974	Gluten feed, -----	The Collegeville Mills, Collegeville.	21.63	5.16	8.61
F 975	Mash feed, -----	Blank & Gottshall, Sunbury, ----	11.88	2.62	3.81
F 976	M. & P Poultry Mash, ----	Marshall & Pabst, Sharon Hill,--	18.88	5.45	8.36
F 977	Feed, -----	Ernest Vogel, Hawley, -----	9.00	4.23	5.12
F 978	Teed's Ready Mixed Laying Mash.	W. I. Teed & Sons, Sayre, -----	17.63	5.54	9.33
F 979	Columbus gluten feed, -----	C. W. Wager & Co., Philadel-phia.	16.69	5.42	6.57
F 980	Matchless Eggmaker, -----	American Food and Remedy Co., Harrisburg.	19.38	6.11	4.07
F 981	L. & S. Hen Feed, -----	Levan & Sons, Columbia, -----	9.13	2.88	3.70
F 982	Sugarota Dairy Feed, -----	A. W. Martin, Elizabethtown,-----	14.58	4.83	15.95
F 983	H. T. Horse Food, -----	The H. T. Stock Food Co., New Brighton.	17.50	5.23	7.25
F 984	H. T. Poultry Food, -----	The H. T. Stock Food Co., New Brighton.	19.88	5.33	5.33
F 985	Brewers' dried grains "A,"--	Dwight E. Hamlin & Co., Pitts-burg.	21.81	7.08	16.22
F 986	Brewers' dried grains "B,"--	Dwight E. Hamlin & Co., Pitts-burg.	23.38	7.08	13.52
F 987	Alfalfa meal, -----	Dwight E. Hamlin & Co., Pitts-burg.	18.19	2.83	27.01
F 988	Special Chop Feed, -----	Altoona Grain and Feed Co., Al-toona.	9.88	5.04	6.91
F 989	No. 1 Brewers' grains, -----	The Johnstown Dried Grains Co., Johnstown.	26.63	8.96	15.66
F 990	No. 2 Brewers' grains, -----	The Johnstown Dried Grains Co., Johnstown.	28.13	8.70	14.42
F 991	No. 3 Brewers' grains, -----	The Johnstown Dried Grains Co., Johnstown.	26.63	9.03	13.72
F 992	No. 4 Brewers' grains, -----	The Johnstown Dried Grains Co., Johnstown.	29.88	9.28	14.60
F 993	Mash Feed for Chickens, ---	H. B. Kratz & Co., Schwenksville,	10.06	2.78	4.06
F 994	Gluten feed, -----	Worstall Bros. & Co., Newtown,--	16.81	5.58	6.98
F 995	Rye middlings, -----	Blank & Gottshall, Sunbury, ----	15.69	3.31	4.50
F 996	Mixed feed, -----	E. H. Lehman, Elizabethtown, --	14.09	0.86	14.07
F 997	Gluten feed, -----	Quarryville Grain Elevator, Quarryville.	22.13	5.43	6.07
F 998	Horse feed, -----	Blank & Gottshall, Sunbury, ----	12.44	4.03	8.56
F 999	Dried brewers' grains, -----	O. W. Shortlidge & Co., Lincoln University.	22.81	6.35	14.22
F 1000	Alfalfa Dairy Feed, -----	Alfalfa Feed Mills, Philadelphia,--	17.94	4.25	16.10
F 1001	Special Pullet Growing Food,	American Food and Remedy Co., Harrisburg.	14.50	3.95	2.55
F 1002	Hammond Dairy Feed, -----	Thomas C. Wilcox, Camp Ground.	17.23	3.58	10.25
F 1003	Sugarota Dairy Feed, -----	A. W. Martin, Elizabethtown,-----	13.63	5.43	17.56
F 1004	C. A. & B. Chop, -----	H. J. Klingler & Co., Butler,-----	9.06	4.33	4.59
F 1005	Oat bran, -----	Fred. L. Lemont, Philadelphia,--	14.31	5.88	12.85
F 1006	Sugarota Dairy Feed, -----	Elmer Eby, Lititz, -----	15.63	6.52	18.24
F 1007	Mixed feed, -----	E. H. Lehman, Elizabethtown, --	14.25	1.67	14.71
F 1008	No. 1 gluten feed, -----	C. W. Wager & Co., Philadel-phia.	21.06	5.23	6.63
F 1009	Chop feed, -----	F. V. Perry & Co., Scottsdale,-----	9.06	3.61	7.50
F 1010	Gluten feed, -----	American Starch Co., Lititz,-----	17.13	3.38	6.00
F 1011	Poultry Food, -----	H. P. Brackbill, Vintage, -----	11.00	3.47	3.55
F 1012	No. 2 Gluten feed, -----	C. W. Wager & Co., Philadel-phia.	24.94	3.79	7.17
F 1013	Flaxseed screenings, -----	Harry Smith, Philadelphia, -----	18.19	12.24	13.05

TABLE I.—Continued.

Chief Chemist's number.	Name of Feeding Stuff.	Received from—	Crude protein.	Crude fat.	Crude fiber.
			Per ct.	Per ct.	Per ct.
F 1014	Sugarota Scratch Feed, ---	Diehl, Omwake & Diehl, Chambersburg.	10.50	5.02	2.47
F 1015	Sugarota Dairy Feed, -----	Diehl, Omwake & Diehl, Chambersburg.	18.48	5.67	10.87
F 1016	Ground beef scraps, -----	Quaker City Mfg. Co., Philadelphia.	60.25	10.81	2.08
F 1017	Mixed chicken grains, -----	Seranton Flour and Grain Co., Seranton.	9.44	4.65	3.05
F 1018	Corn, oats and barley chop, -----	H. J. Klingler & Co., Butler,-----	9.81	4.15	4.02
F 1019	A No. 1 Dairy Feed, -----	H. J. Klingler & Co., Butler,-----	24.38	7.55	9.43
F 1020	Germ meal, -----	H. J. Klingler & Co., Butler,-----	14.06	3.39	0.83
F 1021	Poultry food, -----	D. C. Kaufman, York, -----	10.25	3.60	3.80
F 1022	Chick feed, -----	Josiah B. Seibert, Reading,-----	10.41	3.53	4.35
F 1023	Sucrene Dairy Feed, -----	Diehl, Omwake & Diehl, Chambersburg.	14.99	4.15	12.90
F 1024	Dewey Bros. distillers' grains	Equity Co-Operative Exchange, Wellsboro.	27.13	13.01	13.92
F 1025	Buckwheat middlings, -----	H. J. Klingler & Co., Butler, ---	8.38	2.03	22.74
F 1026	Sugarota Dairy Feed, -----	J. T. Gay & Son, Coatesville,---	15.60	5.66	16.63
F 1027	Buckwheat feed, -----	Dayton Milling Co., Towanda, --	17.44	4.75	24.20
F 1028	Gluten feed, -----	Ezl. Dunwoody Co., Philadelphia,	22.69	4.84	16.77
F 1029	Brewers' dried grains, -----	Ezl. Dunwoody Co., Philadelphia,	26.19	7.53	14.17
F 1030	Feed, -----	McFarland Supply Co., Greensburg.	20.88	3.08	5.76
F 1031	Poultry feed No. 1, -----	Philadelphia Seed Co., Philadelphia.	11.06	3.78	3.95
F 1032	Poultry feed No. 2, -----	Philadelphia Seed Co., Philadelphia.	10.31	3.60	3.37
F 1033	Pigeon feed No. 1, -----	Philadelphia Seed Co., Philadelphia.	14.88	2.72	3.81
F 1034	Pigeon feed No. 2, -----	Philadelphia Seed Co., Philadelphia.	11.94	3.55	3.47
F 1035	Pigeon feed No. 3, -----	Philadelphia Seed Co., Philadelphia.	12.25	4.20	3.79
F 1036	Chick feed No. 2, -----	Philadelphia Seed Co., Philadelphia.	12.00	2.68	2.67
F 1037	Flax feed No. 1, -----	W. H. Ingram, Philadelphia, ---	9.38	8.68	38.04
F 1038	Flax feed No. 2, -----	W. H. Ingram, Philadelphia, ---	3.25	1.81	57.75
F 1039	Poultry food, -----	Johnson Seed Co., Philadelphia,--	7.56	2.75	3.51
F 1040	Poultry mash, -----	Geo. L. Siegel, Erie, -----	17.81	4.84	8.81
F 1041	"A" Feed, -----	F. & J. Bostwick, Lawrenceville,--	7.75	4.73	9.21
F 1042	"B" Feed, -----	F. & J. Bostwick, Lawrenceville,--	7.38	3.77	10.31
F 1043	Dried distillers' grains, -----	The Highspire Distillery Co., Highspire.	16.50	9.59	13.75
F 1044	Ajax Flakes, distillers' grains.	Equity Co-Operative Exchange, Wellsboro.	28.38	12.73	11.63
F 1045	Gluten feed, -----	C. W. Wagar & Co., Philadelphia.	28.00	3.38	6.75
F 1046	Gluten feed, -----	American Starch Co., Lititz, ---	20.69	5.67	6.78
F 1047	Germ meal, -----	American Starch Co., Lititz, ---	19.06	15.54	9.89
F 1048	Cottonseed meal, -----	E. H. Keen & Co., Parkesburg,---	38.06	7.94	10.27
F 1049	Malt sprouts, -----	E. H. Keen & Co., Parkesburg,---	27.00	1.64	14.63
F 1050	Gluten Feed "A," -----	Worstall Bros. & Co., Newtown,--	17.81	4.53	6.35
F 1051	Gluten Feed "B," -----	Worstall Bros. & Co., Newtown,--	21.13	4.03	7.18
F 1052	No. 1 Feed, -----	Carl Tienenius, Pocono, -----	16.94	6.00	9.77
F 1053	No. 2 Feed, -----	Carl Tienenius, Pocono, -----	18.06	5.60	10.03
F 1054	No. 3 Feed, -----	Carl Tienenius, Pocono, -----	12.44	6.80	4.77
F 1055	"A" Molasses feed, -----	Dwight S. Hamlin, Pittsburg,-----	12.96	3.68	12.15
F 1056	"B" Molasses feed, -----	Dwight S. Hamlin, Pittsburg,-----	11.05	3.80	11.24
F 1057	Molasses feed, -----	D. D. Kirby, Pittsburg, -----	9.72	4.54	6.49
F 1058	Distillers' grains, -----	The Penwick Distillery, Cheswick,	17.50	8.60	13.36
F 1059	Dried rye distillers' grains,--	Thompson Distilling Co., Pittsburg.	14.56	7.83	13.77
F 1060	Cottonseed meal, -----	Ezl. Dunwoody Co., Philadelphia,	41.94	9.04	9.14
F 1061	O. P. Linseed meal, -----	Ezl. Dunwoody Co., Philadelphia,	35.44	6.55	8.88
F 1062	Buckwheat middlings, -----	Ezl. Dunwoody Co., Philadelphia,	23.81	6.18	7.31
F 1063	Dried brewers' grains No. 1,--	Stegmaier Brewing Co., Wilkes-Barre.	25.75	7.79	14.28
F 1064	Dried brewers' grains No. 2,--	Stegmaier Brewing Co., Wilkes-Barre.	30.25	8.09	12.10

TABLE I.—Continued.

Chief Chemist's number.	Name of Feeding Stuff.	Received from—	Crude protein.	Crude fat.	Crude fiber.
F 1065	Dried brewers' grains, -----	Fuhrmann & Schmidt Brewing Co., Shamokin.	26.75	6.97	13.42
F 1066	Cottonseed meal No. 1, ----	B. Frank Walter, Christiana, ---	41.13	9.10	7.51
F 1067	Cottonseed meal No. 2, ----	B. Frank Walter, Christiana, ---	40.13	7.09	10.73
F 1068	No. 1 Gluten feed, -----	C. V. Adams, Lancaster, -----	24.75	4.25	6.26
F 1069	No. 2 Gluten feed, -----	C. V. Adams, Lancaster, -----	23.19	5.53	5.93
F 1070	Dried distillers' grains from rye.	Gibson Distilling Co., Gibsonton,	16.50	9.93	14.57
F 1071	Cottonseed meal, -----	Nuttall & Barlow, Sugar Grove, -	40.19	8.43	9.67
F 1072	Hederich Oil Cake Meal, ----	Gorgas Pierie Mfg. Co., Philadel- phia.	32.19	9.39	11.09
F 1073	Ajowan Oil Cake Meal, ---	Gorgas Pierie Mfg. Co., Philadel- phia.	25.44	12.05	12.12
F 1074	Enterprise beef scraps, -----	Enterprise Poultry and Supply Co., Phoenixville.	42.96	40.84	2.46
F 1075	Cottonseed meal, -----	Lewis B. Henson, Coatesville, ----	43.06	9.72	5.91
F 1076	Cottonseed meal, -----	E. H. Keen & Co., Parkesburg, ---	44.25	9.30	5.55
F 1077	Cottonseed meal, -----	Jno. R. Burkholder, Lancaster, -	38.69	7.30	10.77
F 1078	Dewey's dried distillers' grains.	Equity Co-Operative Exchange, Wellsboro.	30.19	14.21	14.16
F 1079	Hen feed, -----	I. S. Fry, Reading, -----	10.38	3.10	3.60
F 1080	Pigeon feed, -----	I. S. Fry, Reading, -----	11.83	3.26	3.86
F 1081	Flour, -----	L. Todd Owens, Apollo, -----	12.44	1.53	0.52
F 1082	Cottonseed meal, -----	S. S. Detweiler, Quakertown, ----	41.44	8.64	7.05
F 1083	Cottonseed feed, -----	Lancaster Co. Farmers' Ass., Inc., Manheim.	13.31	3.38	33.10
F 1084	Dewey's dried distillers' grains.	W. S. Wise, Meadville, -----	30.69	14.57	11.87
F 1085	Keever gluten feed, -----	Thomas, Hains & Co., Malvern, ---	17.63	6.05	6.74
F 1086	Chicken grains with grit, --	R. S. McCague, Pittsburg, -----	10.19	3.12	3.22
F 1087	Chicken grains without grit, --	R. S. McCague, Pittsburg, -----	10.88	3.99	3.77
F 1088	Wheat bran, -----	Paxton Flour and Feed Co., Har- risburg.	15.81	8.07	10.87
F 1089	L. & S. Chick Feed, -----	Levan & Sons, Columbia, -----	10.69	3.02	3.31
F 1090	Dried distillers' grains, ----	Gibson Distilling Co., Gibsonton,	16.38	9.40	15.75
F 1091	Cottonseed meal, -----	E. A. & J. L. Pennock, Chatham,	41.25	9.09	8.04
F 1092	Dried distillers' grains, ----	The Sunnyside Distilling Co., Elrama.	16.19	9.03	14.12
F 1093	Sugarota Dairy Feed "A," --	H. W. Kock & Co., Philadelphia,	17.10	4.27	16.37
F 1094	Sugarota Dairy Feed "B," --	H. W. Kock & Co., Philadelphia,	17.22	4.74	14.52
F 1095	Dixie Brand cottonseed meal,	Jacob Trinley, Linfield, -----	41.07	9.31	8.78
F 1096	Scratch feed, -----	Centre Hall Poultry Yards, Centre Hall,	10.35	3.90	3.17
F 1097	Oats, -----	Elz. Dunwoody Co., Philadel- phia.	13.02	5.50	9.77
F 1098	Colonial Food Digester, ----	Colonial Stock Food Co., Mont- rose.	26.00	4.73	11.61
F 1099	International Sugar Feed, --	D. G. Wiedman, East Earl, -----	16.71	4.37	11.49
F 1100	S. S. Molasses Feed, -----	Richardson Bros., Philadelphia, --	6.70	2.35	12.15

OFFICIAL SAMPLES OF FEEDING STUFFS OBTAINED BY SPECIAL AGENTS.

In carrying out the provisions of the Feeding Stuff Law during the year 1910, Special Agents of the Department visited 249 towns and cities in 57 counties of the State and secured 1,500 samples of feeding stuffs. These samples were sent in sealed bottles to the Chief Chemist and were analyzed chemically and examined microscopically, and the results obtained are reported in the following pages.

The following table (No. II) gives the names of the counties visited and the number of samples obtained in each.

TABLE II.—COUNTIES VISITED AND NUMBER OF SAMPLES SECURED
FROM EACH.

Name of County.	No. of Samples.
Adams,	5
Allegheny,	53
Armstrong,	29
Beaver,	13
Bedford,	15
Berks,	45
Blair,	87
Bradford,	41
Bucks,	15
Butler,	28
Cambria,	33
Cameron,	10
Center,	22
Chester,	39
Clearfield,	36
Clinton,	17
Columbia,	24
Crawford,	8
Cumberland,	40
Dauphin,	26
Delaware,	12
Elk,	19
Erie,	26
Fayette,	14
Forest,	8
Franklin,	26
Greene,	5
Huntingdon,	23
Indiana,	28
Jefferson,	14
Juniata,	5
Lackawanna,	28
Lancaster,	83
Lewrence,	8
Lebanon,	30
Lehigh,	37
Lycoming,	30
Luzerne,	52
McKean,	33
Mercer,	24
Mifflin,	12
Montgomery,	23
Montour,	17
Northumberland,	49
Perry,	7
Philadelphia,	1
Potter,	13
Snyder,	8

TABLE II.—Concluded.

Name of County.	No. of Samples.
Somerset,	15
Susquehanna,	32
Tioga,	34
Union,	13
Venango,	23
Warren,	13
Washington,	45
Westmoreland,	61
York,	44
Total,	1,500

The following table (No. III) shows the classification of the feeding stuffs and the number in each class, which were received.

TABLE III.—CLASSIFICATION OF SAMPLES ANALYZED.

Name of Feeding Stuff.	No. of Samples.
Cottonseed meal,	47
Linseed meal, N. P.,	2
Linseed meal, O. P.,	62
Linseed meal with admixtures,	4
Corn oil meal,	1
Distillers' grains,	21
Brewers' grains,	15
Malt sprouts,	8
Gluten feed,	55
Hominy feed,	49
Flakeline,	1
Malzeline,	8
Corn bran,	2
Low grade flour,	24
Wheat middlings,	193
Wheat middlings with admixtures,	10
Mixed feed—wheat by-products,	16
Wheat bran,	246
Rye middlings,	11
Mixed feed—rye by-products,	3
Wheat and rye offals,	8
Buckwheat middlings,	1
Buckwheat feed,	5
Alfalfa meal,	25
Beet pulp,	11
Proprietary dairy and stock feeds,	285
Proprietary horse and mule feeds,	52
Calf meals,	11
Miscellaneous feeds,	27
Miscellaneous chop feeds,	169
Proprietary poultry foods,	111
Animal by-products,	8
Condimental stock and poultry foods,	9
Total,	1,500

GUARANTEES AND DEFICIENCIES.

During the preceding four years a report has been made of the number of samples of feeding stuffs which were found to be deficient in protein and fat when compared with the guarantees for these substances. This report has been of interest, as it showed a gradual decrease of deficiencies each year. This decrease continued in the samples analyzed during 1910, except in the case of protein which increased somewhat over that found during 1909. The increase in those deficient in protein alone was found to be most noticeable in the proprietary dairy and stock feeds, cottonseed meals and gluten feeds.

The following table (No. IV) gives the number of samples of feeding stuffs received, according the classification shown in Table III, and in each class is given the number guaranteed for protein and fat, the number which were deficient in both protein and fat, the number deficient in protein alone and the number deficient in fat alone.

In the preparation of this table the deficiencies reported were only those where the protein was found to be one per cent. below, and the fat one-half of one per cent. below their guarantees. Of the 1,500 samples analyzed, 1,241 were found to be guaranteed for protein and fat. Of these, 17 or 1.37 per cent. were found to be deficient in both protein and fat; 83 or 6.69 per cent. were deficient in protein alone and 31 or 2.50 per cent. were deficient in fat alone. The total number of samples found to be deficient in protein was 100 or 8.06 per cent.; the total number deficient in fat was 48 or 3.87 per cent.

TABLE IV.—SUMMARY OF DEFICIENCIES IN 1910.

Name of Feeding Stuffs.	Number of samples analyzed.	Number of samples guaranteed.	Deficient in protein and fat.	Deficient in protein alone.	Deficient in fat alone.
Cottonseed meal,	47	47	8	10	2
Linseed meal, N. P.,	2	2		1	
Linseed meal, O. P.,	62	61	1		1
Linseed meal with admixtures,	4	4			
Corn oil meal,	1	1			
Distillers' grains,	21	19	1	7	
Brewers' grains,	15	15	1	5	
Malt sprouts,	8	8			1
Gluten feed,	55	53		10	
Hominy feed,	49	47			
Flakeline,	1	1			
Malzeline,	8	8			
Corn bran,	2	2			1
Low grade flour,	24	19		1	

TABLE IV.—Concluded.

Name of Feeding Stuffs.	Number of samples analyzed.	Number of samples guaranteed.	Deficient in protein and fat.	Deficient in protein alone.	Deficient in fat alone.
Wheat middlings, -----	193	126	-----	-----	-----
Wheat middlings with admixtures, -----	10	9	-----	-----	-----
Mixed feed—Wheat by-products, -----	16	16	-----	-----	-----
Wheat bran, -----	246	178	-----	-----	1
Rye middlings, -----	11	6	-----	-----	-----
Mixed feed—Rye by-products, -----	3	-----	-----	-----	-----
Wheat and rye offals, -----	8	7	-----	-----	-----
Buckwheat middlings, -----	1	-----	-----	-----	-----
Buckwheat feed, -----	5	1	-----	-----	-----
Alfalfa meal, -----	25	19	-----	4	-----
Beet pulp, -----	11	11	-----	-----	-----
Proprietary dairy and stock feeds, -----	285	285	1	32	2
Proprietary horse and mule feeds, -----	52	51	-----	2	6
Calf meals, -----	11	11	-----	-----	-----
Miscellaneous feeds, -----	27	25	-----	3	1
Miscellaneous chop feeds, -----	169	99	1	3	7
Proprietary poultry foods, -----	111	96	4	3	2
Animal by-products, -----	8	7	-----	2	-----
Condimental stock and poultry foods, -----	9	6	-----	-----	1
Total, -----	1,500	1,241	17	83	31

In order that the deficiencies found throughout the past five years may be compared, the following table (No. V), has been prepared. It will be noticed that with one exception in the case of protein alone, the number of deficiencies was less during 1910 than during any previous year.

TABLE V.—DECREASE OF DEFICIENCIES.

	1906.	1907.	1908.	1909.	1910.
	Per ct.	Per ct.	Per ct.	Per et.	Per ct.
Deficient in protein and fat, -----	13.66	3.80	2.31	1.61	1.37
Deficient in protein alone, -----	32.37	11.95	8.00	3.70	6.69
Deficient in fat alone, -----	1.43	6.25	4.74	3.88	2.50
Total deficient in protein, -----	46.00	15.00	10.33	5.31	8.06
Total deficient in fat, -----	15.00	10.00	7.06	5.50	3.87

CLASSIFICATION OF FEEDING STUFFS.

Feeding stuffs may be classed according to their content of crude protein into five classes. The percentage of protein is highest in cottonseed meals and decreases to that found in such feeds as whole grains ground together, and oat feeds composed of oat by-products.

The classification here presented was suggested by Jordan and Jenter,* as follows:

- Class 1. 30 per cent. to 45 per cent. protein.
- Class 2. 20 per cent. to 30 per cent. protein.
- Class 3. 14 per cent. to 20 per cent. protein.
- Class 4. 8 per cent. to 14 per cent. protein.
- Class 5. 5 per cent. to 8 per cent. protein.

The hays and other coarse fodders may be classed in the fourth group, and the animal by-products are in a class by themselves.

In the following table (No. VI), a large number of the brands of feeding stuffs received are tabulated according to the above classification.

*Bul. 166, New York Experiment Station, Geneva.

AVERAGE PARTIAL COMPOSITION AND RETAIL PRICE.

In the following table (No. VI), the average partial composition and retail price of a number of the feeding stuffs analyzed during 1910 are given. They are arranged in classes according to their content of crude protein. This table will be of interest to those who prepare their own rations for feeding purposes, as it will give some idea as to the average content of protein, fat and fiber found in the brands of feeding stuffs analyzed during 1910, together with the average retail price.

TABLE VI.—AVERAGE ANALYSIS AND RETAIL PRICE.

Name of Feeding Stuff.	Protein.	Fat.	Fiber.	Price per ton.
	Per ct.	Per ct.	Per ct.	
Class 1 (30 Per Cent.-45 Per Cent. Protein).				
Cottonseed meal, -----	40.11	8.18	8.73	\$37 01
Linseed meal, N. P., -----	36.10	2.53	8.99	38 50
Linseed meal, O. P., -----	35.05	6.67	7.94	40 30
Buckwheat middlings, -----	31.19	8.58	3.31	32 00
Class 2 (20 Per Cent.-30 Per Cent. Protein).				
Distillers' grains (largely from corn), -----	29.56	12.64	11.36	33 76
Gregson's Calf Meal, -----	27.25	7.15	6.33	60 00
Blatchford's Calf Meal, -----	26.55	5.31	5.58	71 20
Malt sprouts, -----	25.99	2.00	12.71	25 50
Unicorn Dairy Rations, -----	25.77	6.92	9.06	33 63
Brewers' grains, -----	25.53	7.34	13.88	27 53
Ubico Union Grains Biles' Ready Dairy Rations, -----	24.85	8.15	9.67	34 00
Gluten feed, -----	23.84	4.26	6.75	30 69
Distillers' grains (largely from rye), -----	22.26	8.50	14.43	27 67
Corn oil meal, -----	21.50	13.45	7.72	34 00
Best Mixed Feed for Cows, -----	20.09	4.28	6.38	31 00
Class 3 (14 Per Cent.-20 Per Cent. Protein).				
Schumacher Calf Meal, -----	19.92	8.74	2.70	74 20
Low grade flour, -----	17.36	4.53	2.40	33 71
International Dairy Feed, -----	17.36	4.74	12.19	28 50
Wheat middlings, -----	17.35	5.21	5.64	30 33
Boveta Brand Cottonseed Hull and Meal Mixture, -----	17.25	3.50	27.75	26 50
Sugarota Dairy Feed, -----	17.09	6.20	10.86	27 67
Mixed feed—Wheat by-products, -----	16.85	5.18	7.96	28 81
Flaxo Meal, -----	16.69	12.20	11.82	26 50
Wheat bran, -----	16.37	5.14	9.78	27 66
Daisy Dairy Feed, -----	16.26	3.68	12.97	27 93
Crystaloid Dairy Feed, -----	16.24	5.60	12.29	25 67
Sucrene Dairy Feed, -----	16.06	4.97	12.28	26 52
Rye middlings, -----	16.05	3.63	5.23	27 82
Hammond Dairy Feed, -----	16.05	4.93	10.77	26 74
Badger Dairy Feed, -----	16.00	4.43	13.44	26 58
Buckwheat feed, -----	15.81	4.27	23.44	22 00
Quaker Dairy Molasses Feed, -----	15.55	4.68	12.77	28 40
Sugarine Dairy Feed, -----	15.53	5.15	11.79	27 14
Mixed feed—Rye by products, -----	15.25	3.33	4.13	23 33
Alfalfa meal, -----	14.76	2.35	29.99	29 00

TABLE VI.—Concluded.

Name of Feeding Stuff.	Protein.	Fat.	Fiber.	Price per ton.
	Per ct.	Per ct.	Per ct.	
Class 4 (8 Per Cent.-14 Per Cent. Protein).				
Eagle Barley Feed, -----	13.11	4.19	9.22	\$30 00
Chickseat, -----	13.07	4.12	1.58	166 00
June Pasture Dairy Meal, -----	12.83	1.61	16.07	30 05
Wheat Middlings with admixtures, -----	12.72	7.64	6.90	29 50
American Poultry Feed, -----	12.67	5.70	4.79	37 60
Otto Weiss Alfalfa Stock Food, -----	12.63	3.65	9.33	34 00
Sucrene Alfalfa Horse and Mule Feed, -----	12.31	3.88	12.73	30 33
C. O. & B. Feed, -----	11.89	4.52	10.24	30 00
Laymor Hen Feed, -----	11.72	3.45	2.79	37 60
Eaton's Climax Grain Mixture, -----	11.69	3.59	2.97	48 60
Mihimico Stock Feed, -----	11.69	6.10	8.08	33 00
Badger Alfalfa Horse and Mule Feed, -----	11.49	2.35	9.31	31 80
Wertz Mixed Feed, -----	11.22	5.04	4.87	30 00
Purina Mill Feed, -----	11.21	3.78	3.23	44 80
Red Comb Poultry Feed, -----	11.01	3.44	3.16	42 80
Sucrene Stock Feed, -----	10.91	2.90	10.19	30 00
Sterling Scratch Feed, -----	10.88	3.68	2.86	41 60
Schumacher Scratching Grains, -----	10.88	3.86	2.70	41 89
No. 1 Scratch Feed (M-H Mfg. Co.), -----	10.86	3.49	3.61	42 00
Blended Hen Food, -----	10.80	3.45	3.18	43 20
Schumacher Stock Feed, -----	10.79	4.50	10.12	30 53
Eclipse Poultry Food, -----	10.64	3.13	2.47	38 00
Peters' Arab Balanced Horse Feed, -----	10.56	2.96	8.09	32 70
Hominy feed, -----	10.49	8.78	3.98	28 29
Sterling Stock Feed, -----	10.47	4.96	8.78	30 41
Corn, oat and barley chops, -----	10.45	4.57	4.50	30 00
H. & S. Alfalfa Feed, -----	10.41	3.24	8.40	36 50
Corn, oat and rye chops, -----	10.39	3.61	3.68	34 00
Molac Horse Feed, -----	10.32	3.19	9.26	32 29
Flakeline, -----	10.25	9.35	8.57	30 00
Schumacher Little Chick Feed, -----	10.19	3.46	2.22	48 00
Ideal Chick and Hen Feed, -----	10.16	3.68	2.82	50 00
Sucrene Horse and Mule Feed, -----	9.83	3.87	9.65	28 71
Corn and oat chops, -----	9.53	4.15	3.91	30 65
Corn bran, -----	9.04	5.79	9.68	26 50
Star Feed, -----	9.00	6.84	9.23	26 25
Beet pulp, -----	8.94	1.16	17.71	25 87
Monarch Chop Feed, -----	8.94	4.47	6.00	28 50
Victor feed, -----	8.90	4.65	9.06	29 33
Boss Chop Feed, -----	8.84	4.78	7.80	29 36
Corn chops, -----	8.69	3.91	19.39	29 25
Maizelinc, -----	8.66	7.13	8.98	28 75
Acme Dairy Feed, -----	8.66	4.65	6.64	30 00
Ordinary Feed Meal, -----	8.42	4.24	3.72	30 60
Toledo C. O. & B. Chop Feed, -----	8.42	4.76	6.37	31 67
Keystone Chop Feed, -----	8.38	4.84	6.46	34 00
Toledo C. O. B. K. Chop Feed, -----	8.25	4.92	6.48	32 30
M. D. Chop Feed, -----	8.17	4.33	7.20	28 55
Class 5 (5 Per Cent.-8 Per Cent. Protein).				
Buffalo Cereal Co's. Chop Feed, -----	7.00	3.78	12.57	32 00
Prime Cottonseed Feed, -----	6.35	2.11	32.48	21 50

COMPARISON OF THE COST OF VARIOUS FEEDING STUFFS.

The following table (No. VII), has been prepared in an effort to show the actual amount of protein and fat which could be obtained for one dollar at the prices given to our Special Agents at the time the samples of feeding stuffs were obtained.

TABLE VII.—POUNDS OF PROTEIN AND FAT OBTAINED IN FEEDING STUFFS FOR ONE DOLLAR, AT CURRENT RETAIL PRICES.

Name of Feeding Stuff.	Protein.	Fat.
Class 1 (30 Per Cent.-45 Per Cent. Protein).		
Cottonseed meal,	21.68	4.42
Linseed meal, N. P.,	18.75	1.31
Linseed meal, O. P.,	17.39	3.31
Buckwheat middlings,	19.49	5.36
Class 2 (20 Per Cent.-30 Per Cent. Protein).		
Distillers' grains (largely from corn),	17.51	7.49
Gregson's Calf Meal,	9.08	2.38
Blatchford's Calf Meal,	7.46	1.49
Malt sprouts,	20.39	1.57
Unicorn Dairy Rations,	15.33	4.12
Brewers' grains,	18.55	5.33
Ubiko Union Grains Biles' Ready Dairy Rations,	14.62	4.79
Gluten feed,	15.54	2.78
Distillers' grains (largely from rye),	16.01	6.14
Corn oil meal,	12.65	7.91
Best Mixed Feed for Cows,	12.96	2.76
Class 3 (14 Per Cent.-20 Per Cent. Protein).		
Schumacher Calf Meal,	5.37	2.36
Low grade flour,	10.30	2.69
International Dairy Feed,	12.18	3.33
Wheat middlings,	11.44	3.44
Boveta Brand Cottonseed Hull and Meal Mixture,	13.02	2.64
Sugarota Dairy Feed,	12.35	4.48
Mixed feed—Wheat by-products,	11.70	3.60
Flaxo Meal,	12.60	9.21
Wheat bran,	11.84	3.72
Daisy Dairy Feed,	11.64	2.64
Crystaloid Dairy Feed,	12.65	4.36
Sucrene Dairy Feed,	12.11	3.75
Rye middlings,	11.54	2.61
Hammond Dairy Feed,	12.00	3.69
Badger Dairy Feed,	12.04	3.33
Buckwheat feed,	14.37	3.88
Quaker Dairy Molasses Feed,	10.95	3.30
Sugarine Dairy Feed,	11.44	3.80
Mixed feed—Rye by-products,	10.77	2.35
Alfalfa meal,	10.18	1.62
Class 4 (8 Per Cent.-14 Per Cent. Protein).		
Eagle Barley Feed,	8.74	2.79
Chickseat,	1.57	4.95
June Pasture Dairy Meal,	8.54	1.07
Wheat middlings with admixtures,	8.62	5.18
American Poultry Feed,	6.74	3.03
Otto Weiss Alfalfa Stock Food,	7.43	2.15
Sucrene Alfalfa Horse and Mule Feed,	8.12	2.56
C. O. & B. Feed,	7.93	3.01
Laymor Hen Feed,	6.23	1.84
Eaton's Climax Grain Mixture,	4.81	1.48
Mihimico Stock Feed,	7.09	3.70
Badger Alfalfa Horse and Mule Feed,	7.23	1.48
Wertz Mixed Feed,	7.48	3.36
Purina Mill Feed,	5.00	1.69
Red Comb Poultry Feed,	5.15	1.61
Sucrene Stock Feed,	7.27	1.93
Sterling Scratch Feed,	5.23	1.77
Schumacher Scratching Grains,	5.20	1.84
No. 1 Scratch Feed (M.-H. Mfg. Co.),	5.17	1.66
Blended Hen Food,	5.00	1.60
Schumacher Stock Feed,	7.07	2.95
Eclipse Poultry Food,	5.60	1.65
Peters' Arab Balanced Horse Feed,	6.46	1.81
Hominy feed,	7.42	6.21
Sterling Stock Feed,	6.89	3.26
Corn, oat and barley chops,	6.97	3.05
H. & S. Alfalfa Feed,	5.70	1.78
Corn, oat and rye chops,	6.11	2.12
Molac Horse Feed,	6.39	1.98
Flakeline,	6.83	6.23

TABLE VII.—Concluded.

Name of Feeding Stuff.	Protein.	Fat.
Schumacher Little Chick Feed, -----	4.25	1.44
Ideal Chick and Hen Feed, -----	4.06	1.47
Suerene Horse and Mule Feed, -----	6.85	2.70
Corn and oat chops, -----	6.22	2.71
Corn bran, -----	6.82	4.37
Star Feed, -----	6.86	5.21
Beet pulp, -----	6.91	0.90
Monarch Chop Feed, -----	6.27	3.14
Victor Feed, -----	6.07	3.17
Boss Chop Feed, -----	6.02	3.26
Corn Chops, -----	5.94	2.67
Maizeline, -----	6.02	4.93
Acme Dairy Feed, -----	5.77	3.10
Ordinary Feed Meal, -----	5.61	2.83
Toledo C. O. & B. Chop Feed, -----	5.32	3.01
Keystone Chop Feed, -----	4.03	2.85
Toledo C. O. B. K. Chop Feed, -----	5.17	3.05
M. D. Chop Feed, -----	5.72	3.03
Class 5 (5 Per Cent.-8 Per Cent. Protein).	✓	
Buffalo Cereal Co's. Chop Feed, -----	4.38	2.36
Prime Cottonseed Feed, -----	5.91	1.96

COMPOSITION OF FEEDING STUFFS AND THEIR COEFFICIENTS OF DIGESTIBILITY.

In the preparation of a balanced ration for the proper feeding of stock, it is necessary to know the average composition of the feeding stuffs which are offered for sale, or which are desired to be used. In previous bulletins a table has been given showing the average composition of a number of feeding stuffs, grains and by-products, and inasmuch as this has been of assistance to those desiring to estimate rations, this table is included in this report.

The analyses of some of the brands of feeding stuffs given will vary from time to time within narrow limits. The elements or groups of nutritive substances which are determined in the analysis of a feeding stuff are usually the moisture, ash, crude protein, crude fat, crude fiber and nitrogen-free extract. The sum of the crude fiber and nitrogen-free extract constitute the carbohydrates.

The coefficients of digestibility found in the table were obtained by actual feeding experiments with ruminants. A few of these have been omitted from the table, because no feeding experiments have been made with these products.

TABLE VIII.—AVERAGE COMPOSITION¹ AND DIGESTION COEFFICIENTS² OF SOME AMERICAN FEEDING STUFFS.

Feeding Stuff.	Composition.						Digestion Coefficients.			
	Water.	Ash.	Crude protein.	Crude fat.	Carbohydrates.		Crude protein.	Crude fat.	Carbohydrates.	
					Crude fiber.	Nitrogen-free extract.			Crude fiber.	Nitrogen-free extract.
CONCENTRATES.	%	%	%	%	%	%				
Corn,	10.9	1.5	10.4	5.0	2.0	70.2	76	86	58	*93
Corn meal,	15.0	1.4	9.2	3.8	1.9	68.7	60	92	-----	*93
Corn bran,	9.1	1.3	9.0	5.8	12.7	62.0	82	79	-----	*80
Corn cob,	10.7	1.4	2.4	0.5	30.1	54.9	17	50	65	60
Corn and cob meal,	15.1	1.5	8.5	3.5	6.6	64.8	52	84	45	88
Hominy chop or feed,	11.1	2.5	9.8	8.3	3.8	64.5	77	82	-----	*81
Corn germ meal,	8.1	1.3	11.1	7.1	9.9	62.5	81	87	-----	*85
Gluten meal,	8.2	0.9	29.3	11.8	3.3	46.5	88	93	-----	*87
Gluten feed,	7.8	1.1	24.0	10.6	5.3	51.2	85	83	72	87
Dried distiller's grains,†	5.4	1.7	30.8	13.3	12.0	36.8	73	95	95	-----
Oats,	11.0	3.0	11.8	5.0	9.5	59.7	78	83	20	76
Oat shorts,	7.7	3.7	16.0	7.1	6.1	59.4	78	39	-----	*72
Oat hulls,	7.3	6.7	3.3	1.0	29.7	52.1	39	60	-----	*48
Oat bran,	7.1	5.4	12.4	5.5	16.7	52.9	-----	-----	-----	-----
Oat clips,	6.7	11.5	9.4	3.8	21.3	47.3	-----	-----	-----	-----
Wheat,	10.5	1.8	11.9	2.1	1.8	71.9	86	81	-----	*94
Wheat bran,	11.9	5.8	15.4	4.0	9.0	53.9	79	68	22	69
Wheat middlings,	12.1	3.3	15.6	4.0	4.6	60.4	82	85	36	85
Wheat shorts,	11.8	4.6	14.9	4.5	7.4	56.8	82	84	-----	*78
Wheat screenings,	11.6	2.9	12.5	3.0	4.9	65.1	78	73	-----	*73
Barley,	10.9	2.4	12.4	1.8	2.7	69.8	70	89	50	92
Barley meal,	11.9	2.6	10.5	2.2	6.5	66.3	-----	-----	-----	-----
Barley screenings,	12.2	3.6	12.3	2.8	7.3	61.8	-----	-----	-----	-----
Brewer's grains, dry,	8.2	3.6	19.9	5.6	11.0	51.7	79	91	53	59
Malt sprouts,	10.2	5.7	23.2	1.7	10.7	48.5	80	100	34	69
Spelts,	10.0	4.1	12.5	5.5	16.7	51.2	-----	-----	-----	-----
Rye,	11.6	1.9	10.6	1.7	1.7	72.5	93	65	-----	*91
Rye bran,	11.6	3.6	14.7	2.8	3.5	63.8	78	71	-----	*75
Rye shorts,	9.3	5.9	18.0	2.8	5.1	59.9	66	57	-----	*69
Buckwheat,	12.6	2.0	10.0	2.2	8.7	64.5	77	82	-----	*67
Buckwheat bran,	10.5	3.0	12.4	3.3	31.9	38.8	60	58	-----	*43
Buckwheat middlings,	13.2	4.8	28.9	7.1	4.1	41.9	76	76	-----	*73
Buckwheat shorts,	11.1	5.1	27.1	7.6	8.3	40.8	78	72	-----	*68
Buckwheat hulls,	13.2	2.2	4.6	1.1	43.5	35.3	46	55	-----	*35
Cottonseed,	10.3	3.5	18.4	19.9	23.2	24.7	68	87	76	50
Cottonseed meal,	8.2	7.9	42.3	13.1	5.6	23.6	88	93	32	64
Cottonseed hulls,	11.1	2.8	4.2	2.2	46.3	33.4	6	79	47	34
Flax seed,	9.2	4.3	22.6	33.7	7.1	23.2	91	86	61	55
Linseed meal, old process,	9.2	5.7	32.9	7.9	8.9	35.4	89	89	57	78
Linseed meal, new process,	10.1	5.8	33.2	3.0	9.5	38.4	85	93	74	88
Flax screenings,	5.3	11.7	17.2	15.7	11.1	39.0	-----	-----	-----	-----
Flax plant refuse,	5.9	6.9	6.8	3.6	42.6	34.2	-----	-----	-----	-----
Rice,	12.4	0.4	7.4	0.4	0.2	79.2	65	75	-----	*91
Rice meal,	10.2	8.1	12.0	13.1	5.4	51.2	63	85	26	86
Rice bran,	9.7	10.0	12.1	8.8	9.5	49.9	44	83	-----	*76
Rice polish,	10.0	6.7	11.7	7.3	6.3	58.0	77	89	-----	*88
Rice hulls,	8.2	13.2	3.6	0.7	35.7	38.6	44	86	-----	*10
Peanut meal,	10.7	4.9	47.6	8.0	5.1	23.7	90	86	-----	*19
Peanut bran,	9.6	3.5	17.1	25.4	10.6	33.8	-----	-----	-----	-----
Peanut hulls,	9.0	3.4	6.6	1.6	64.3	15.1	-----	-----	-----	-----
Cocoa hulls,	4.5	13.9	18.5	3.5	16.7	42.9	-----	-----	-----	-----
Cocoanut shells ground,	8.7	0.6	1.3	0.4	49.5	39.5	-----	-----	-----	-----

1.—Figures from Henry's "Feeds and Feeding," and Jordan's "The Feeding of Animals."

2.—Experiments with Ruminants.

*Digestion coefficients for carbohydrates (nitrogen-free extract and crude fiber estimated together).

†Largely from corn. Analyses taken from Penna. Dept. of Agr. Bulletins Nos. 135, 155, 167, 175 and 196, representing average of 30 analyses.

TABLE VIII.—Concluded.

Feeding Stuff.	Composition.						Digestion Coefficients.			
	Water.	Ash.	Crude protein.	Crude fat.	Carbohy- drates.		Crude protein.	Crude fat.	Carbohy- drates.	
					Crude fiber.	Nitrogen-free ex- tract.			Crude fiber.	Nitrogen-free ex- tract.
	%	%	%	%	%	%				
Granulated milk, -----	7.8	24.8	40.0	15.0	0.0	12.4				
Pea meal, -----	10.5	2.6	20.2	1.2	14.4	51.1				
Cow peas, -----	14.8	3.2	20.8	1.4	4.1	55.7	75.6	59.4	59.6	80.6
Kaffir corn, -----	13.5	1.5	10.0	3.0	1.4	70.6				
Sorghum seed, -----	12.8	2.1	9.1	3.6	2.6	69.8	46.8	74.2	59.0	74.6
Sunflower seed, -----	8.6	2.6	16.3	21.2	29.9	21.4				
Beet pulp, dry,‡ -----	6.7	3.2	9.6	0.9	18.1	61.5	63		83	84
ROUGHAGE.										
Corn fodder, -----	42.2	2.7	4.5	1.6	14.3	34.7	55	74	65	73
Corn stover, -----	40.5	3.4	3.8	1.1	19.7	31.5	45	62	67	61
Corn silage, -----	79.1	1.4	1.7	0.8	6.0	11.0	53	87		*66
Wheat straw, -----	9.6	4.2	3.4	1.3	38.1	43.4	11	31	52	38
Oat straw, -----	9.2	5.1	4.0	2.3	37.0	42.4	30	33	54	44
Rye straw, -----	7.1	3.2	3.0	1.2	38.9	46.6	21	32	60	37
Barley straw, -----	14.2	5.7	3.5	1.5	36.0	39.0	20	42	56	54
Buckwheat straw, -----	9.9	5.5	5.2	1.3	43.0	35.1				
Timothy hay, -----	13.2	4.4	5.9	2.5	29.0	45.0	48	57	52	59
Red clover hay, -----	15.3	6.2	12.3	3.3	24.8	38.1	49	43	48	58
Crimson clover hay, -----	9.6	8.6	15.2	2.8	27.2	36.6	69	44	45	62
Alsike clover hay, -----	9.7	8.3	12.3	2.9	25.6	40.7	66	50	53	71
Alfalfa hay (or meal), -----	8.4	7.4	14.3	2.2	25.0	42.7	74	39	43	66
MISCELLANEOUS.										
Dried Blood, -----	8.5	4.7	84.4	2.5			62	100		100
Meat scrap, -----	10.7	4.1	71.2	13.7		0.3	93	98		

‡Analyses of 14 samples averaged Penna. Dept. of Agr. reports.

*Digestion coefficients for carbohydrates.

DISCUSSION OF THE ANALYTICAL RESULTS.

All the samples analyzed during the year were covered by the Feeding Stuff Law, Act No. 224, which became effective August 1st, 1909. Under a number of the brands of feeding stuffs discussed and after the remarks, a small table is inserted which gives the number of samples, the average analysis and the retail price found during the present year, and during a number of preceding years.

OIL CAKE MEALS.

COTTONSEED MEAL.

Analyses on Pages 42 to 47.

During the year 1910, 47 samples of cottonseed meal were analyzed, all of which were found to be guaranteed. The content of protein ranged from 36.13 per cent. to 45.13 per cent., with an average of 40.11 per cent. The fat varied from 6.15 per cent. to 12 per cent., with an average of 8.18 per cent. The average content of fiber was found to be 8.73 per cent. Quite a number of the cottonseed meals ran lower in protein than the guarantees, as will be noted in the table, and in few cases, samples were found which contained excessive amounts of cottonseed hulls, with a high content of fiber.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples, -----	1	9	11	24	34	47
Crude protein, -----	40.63	41.21	39.16	41.75	41.41	40.11
Crude fat, -----	7.09	9.09	9.55	8.79	8.69	8.18
Crude fiber, -----			10.16	8.39	8.15	8.73
Price per ton, -----	\$28 00	\$30 83	\$31 90	\$35 21	\$32 51	\$37 01

LINSEED MEAL.

Analyses on Pages 46 to 51.

The number of brands of linseed meal analyzed was 64, two of these being the new process linseed oil meal. The difference in these two brands of feeding stuff is due to the method used in extracting the oil from the flaxseed. In the old process the oil is extracted by hydraulic pressure, while in the new process the oil is extracted by naphtha or some other volatile solvent, which removes more fat than is removed by the old process.

Of the two samples of new process linseed meal analyzed, the protein we found to vary from 35 per cent. to 37.19 per cent., with an average of 36.10 per cent. The fat ranged from 2.40 to 2.60 per cent., with an average of 2.53 per cent., and the average fiber was 8.99 per cent.

In the old process oil meal all but one sample was found to be guaranteed. One of these samples was found to be deficient in both protein and fat and one in fat alone. The content of protein

varied from 30.75 per cent. to 38 per cent., with an average of 35.05 per cent. The fat varied from 5.40 per cent. to 9.85 per cent., with an average of 6.67 per cent. and the content of fiber averaged 7.94 per cent.

Four samples of oil meal were analyzed which were placed in the table under the heading of "Linseed Meal With Admixtures," which were not true linseed meals, inasmuch as they were made from the unscreened flaxseed from which a proportion of the weed seeds had not been removed. These were found to be properly guaranteed and no deficiencies in protein and fat were detected.

The lowest protein was 26.38 per cent. and the highest, 27.19 per cent. with an average of 26.75 per cent. The fat ranged from 8.60 per cent. to 9.55 per cent., with an average of 9.11 per cent., and the content of fiber averaged 9.48 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	New Process.						Old Process.					
	1905.	1906.	1907.	1908.	1909.	1910.	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples,	2	4	2	3	5	2	10	4	23	62	41	62
Crude protein,	36.27	35.86	36.59	34.32	39.47	36.10	32.33	33.75	34.75	34.46	35.88	35.05
Crude fat,	2.76	3.06	2.94	3.75	3.14	2.53	7.12	7.26	7.23	6.94	6.90	6.67
Crude fiber,			7.93	8.85	8.58	8.99			8.17	8.19	7.80	7.94
Price per ton,	\$30 50	\$30 52	\$33 00	\$33 00	\$34 20	\$38 50	\$38 10	\$37.25	\$36.57	\$38.08	\$38.32	\$40.30

CORN OIL MEAL.

Analyses on Pages 50 and 51.

One sample of oil cake meal was received and analyzed which was corn oil meal, a by-product from the manufacture of corn oil. It is prepared by separating the germ from the whole corn, extracting the oil and grinding the pressed residue or cake into a meal. The protein was found to be 21.50 per cent., the fat, 13.45 per cent., and the fiber 7.72 per cent.

DISTILLERY AND BREWERY BY-PRODUCTS.

DISTILLERS' GRAINS.

Analyses on Pages 52 to 55.

Twenty-one samples of distillers' grains were received during the year, eighteen being distillers' grains largely from corn and the remaining three being distillers' grains largely from rye. Nineteen

of these were found to be guaranteed, one was found to be deficient in protein and fat and seven were deficient in protein alone. The analysis of the distillers' grain from corn showed that the protein varied from 26.44 to 33.00 per cent., with an average of 29.56 per cent. The fat ranged from 11.00 per cent. to 14.93 per cent., with an average of 12.64 per cent., and the fiber averaged 11.36 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples, -----	4	4	8	3	11	18
Crude protein, -----	31.19	30.94	28.73	33.69	29.64	29.56
Crude fat, -----	13.08	13.04	11.76	15.24	13.14	12.64
Crude fiber, -----			11.13	12.17	10.87	11.36
Price per ton, -----	\$26 66	\$27 25	\$30 00	\$30 00	\$36 18	\$33 76

In the distillers' grains from rye the lowest protein was found to be 13.60 per cent. and the highest, 28.75 per cent., with an average of 22.26 per cent. The fat ranged from 8.05 per cent. to 9.20 per cent., with an average of 8.50 per cent., and the fiber averaged 14.43 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1909.	1910.
Number of samples, -----	3	3
Crude protein, -----	15.96	22.26
Crude fat, -----	9.54	8.50
Crude fiber, -----	15.38	14.43
Price per ton, -----	\$28 00	\$27 67

BREWERS' GRAINS.

Analyses on Pages 54 and 55.

During the year, 15 samples of brewers' dried grains were received, all of which were guaranteed. In one of these, the contents of protein and fat were found to be different and in five the protein was one per cent. below the guaranteed amount.

The content of crude protein varied from 22.06 per cent. to 29.06 per cent., with an average of 25.53 per cent. The fat varied from 6.11 per cent. to 8.38 per cent., with an average of 7.34 per cent., and the average content of fiber was 13.88 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples, -----	1	1	6	4	16	15
Crude protein, -----	28.50	22.50	26.34	28.19	27.21	25.53
Crude fat, -----	7.27	6.93	7.30	7.43	7.27	7.34
Crude fiber, -----			13.25	14.13	14.41	13.88
Price per ton, -----	\$20 00	\$23 00	\$22 80	\$28 25	\$27 53	\$27 53

MALT SPROUTS.

Analyses on Pages 54 to 57.

A smaller number of samples of malt sprouts were received during the year than were analyzed during 1909, only 8 being sent in by our Special Agent.

The lowest protein was found to be 23.88 per cent., the highest, 28.38 per cent., with an average of 25.99 per cent. The lowest fat was 1.53 per cent. and the highest 2.53 per cent., with an average of 2.00 per cent., and the average fiber was 12.71 per cent.

Two of these samples contained some barley and a small amount of weed seeds and one contained a considerable proportion of barley.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples, -----	1	5	6	4	17	8
Crude protein, -----	25.13	25.49	26.06	25.03	27.35	25.99
Crude fat, -----	1.53	2.12	2.04	1.93	2.07	2.00
Crude fibre, -----			12.33	13.15	12.92	12.71
Price per ton, -----	\$20 00	\$19 60	\$24 75	\$25 75	\$26 21	\$25 50

MAIZE BY-PRODUCTS.

GLUTEN FEED.

Analyses on Pages 56 to 61.

During the year 55 samples of gluten feed were analyzed, all but two being guaranteed. In 10 of the samples, the content of crude protein was found to be one per cent. below the amount guaranteed.

The protein varied from 18.81 per cent. to 28.06 per cent., with an average of 23.84 per cent. The fat varied from 2.40 per cent. to

6.90 per cent., with an average of 4.26 per cent., and the content of fiber averaged 6.75 per cent.

A number of these feeds were artificially colored with aniline dye, No. 85 Orange 1, No. 4 Naphthol Yellow S.

Quite a number of the samples of gluten feed herein reported were found to be slightly acid. Other analysts have detected that gluten feeds were slightly acid, from time to time, and have so reported in their annual reports. The acidity of gluten feeds has caused some apprehension to those feeding this feeding stuff to stock, and in order to determine whether or not this acidity would be in any way harmful, several investigators have made a special study concerning this matter.

Dr. W. H. Jordan, Chemist of the New York Agricultural Experiment Station of Geneva, N. Y., in Technical Bulletin No. 16, of December, 1910, reports that "the marked acidity of gluten feeds, noted in the feeding stuffs inspection of several states during the past three years, is due to the addition of 'steep water,' a by-product obtained in the manufacture of corn products. The acidity of the 'steep water' is due to its content of amino-acids and of phosphorus compounds with an acid reaction, probably mixed phosphates and phytates. Mineral acids are present only in negligible quantities."

The results of the tests for acidity made by this Bureau showed that in several samples of gluten feeds as much as 1.75 per cent. of caustic soda was required to neutralize the acidity present. While we have been unable to make as complete a study of this subject as has been made by other investigators, the results obtained on the few samples analyzed practically corroborated the results reported by the New York Experiment Station. We were able to find mineral acids present only in very small amounts, which may be overlooked, and we found that nearly all of the acidity was caused by the presence of acid phosphates and organic compounds with an acid reaction.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples, -----	7	12	25	35	62	55
Crude protein, -----	23.76	25.04	24.37	24.14	25.43	23.84
Crude fat, -----	3.52	3.86	3.80	4.69	3.81	4.26
Crude fiber, -----			7.21	7.21	7.27	6.75
Price per ton, -----	\$25 50	\$25 61	\$30 27	\$31 09	\$31 61	\$30 69

HOMINY FEED.

Analyses on Pages 60 to 65.

During the year, 49 samples of hominy feed were received and analyzed, 47 of which were properly guaranteed. No deficiencies or adulterants were detected.

The determinations for protein varied from 9.19 per cent. to 12.06 per cent., with an average of 10.49 per cent. The fat varied from 5.15 to 10.90 per cent., with an average of 8.78 per cent., and the average content of fiber was 3.98 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples, -----	1	6	10	18	52	49
Crude protein, -----	10.44	10.73	10.13	9.84	10.29	10.49
Crude fat, -----	8.55	8.92	7.95	7.99	8.73	8.78
Crude fiber, -----			5.08	4.12	4.75	3.98
Price per ton, -----	\$26 00	\$22 50	\$31 22	\$30 50	\$31 31	\$28 29

FLAKELINE.

Analyses on Pages 64 and 65.

Only one sample of Flakeline was received, which was found to be properly guaranteed. The analysis was found to be as follows:

Protein, 10.25 per cent.; fat, 9.30 per cent., and fiber, 8.57 per cent.

MAIZELINE.

Analyses on Pages 64 to 67.

Eight samples of Maizeline were received, all of which were properly guaranteed, no deficiencies being detected. The protein varied from 8.13 per cent. to 9.38 per cent., with an average of 8.66 per cent. The fat varied from 6.45 per cent. to 8.05 per cent., with an average of 7.13 per cent., and the content of fiber averaged 8.98 per cent.

CORN BRAN.

Analyses on Pages 66 and 67.

Two samples of corn bran were received, both being guaranteed, one of which was deficient in crude fat as compared to the amount guaranteed. The protein varied from 7.94 per cent. to 10.13 per cent., with an average of 9.04 per cent. The fat varied from 2.92 per cent. to 8.65 per cent., with an average of 5.79 per cent., and the content of fiber averaged 9.68 per cent.

WHEAT OFFALS.

During the year 489 samples of feeding stuffs were received, which are classed as wheat offals, including low grade flour, wheat, middlings, wheat middlings with admixtures, mixed feed, wheat by-products and wheat bran. Where these products are composed only of wheat offals or by-products, the Feeding Stuff Law does not require that they be guaranteed for protein, fat and fiber. The majority of these, however, were guaranteed for these constituents, and in only one case where such guarantees were given, a deficiency was noticed, that being in the case of the content of crude fat, which was found to be more than one-half of one per cent. below the guarantee.

LOW GRADE FLOUR.

Analyses on Pages 66 to 69.

Twenty-four samples of low grade flour were received, 19 being guaranteed, only one of which was found to be deficient in protein. No adulterations were detected. The protein varied from 13.29 per cent. to 19.94 per cent., with an average of 17.36 per cent. The fat ranged from 2.48 per cent. to 6.70 per cent., with an average of 4.53 per cent., and the content of fiber averaged 2.40 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples, -----	7	3	15	24	18	24
Crude protein, -----	15.51	14.38	17.07	17.41	17.18	17.36
Crude fat, -----	3.61	3.03	4.44	4.54	5.11	4.53
Crude fiber, -----			2.32	2.53	4.88	2.40
Price per ton, -----	\$29 86	\$25 66	\$33 96	\$33 60	\$33 11	\$33 71

WHEAT MIDLINGS.

Analyses on Pages 68 to 83.

One hundred and ninety-three samples of wheat middlings were received during the year, 126 of which were guaranteed. These samples were as a rule free from adulterants or any foreign substances, except in a few cases as noted in the table, traces of weed seeds were found present. In only two samples were weed seeds found to be present in excess.

The protein ranged from 13.44 per cent. to 20.19 per cent., with an average of 17.35 per cent. The fat ranged from 3.08 per cent. to 6.75 per cent., with an average of 5.21 per cent., and the content of fiber averaged 5.64 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples, -----	49	26	87	162	173	193
Crude protein, -----	15.23	16.64	17.17	16.75	16.93	17.35
Crude fat, -----	4.02	4.83	5.24	4.88	5.10	5.21
Crude fiber, -----			5.97	5.22	5.38	5.64
Price per ton, -----	\$26 22	\$24 17	\$31 14	\$31 80	\$31 43	\$33 33

WHEAT MIDLINGS WITH ADMIXTURES.

Analyses on Pages 82 and 83.

Ten samples of this class of feeding stuffs were received, all but one of which were properly guaranteed. The admixtures used with the wheat middlings were hominy feed, rye, corn middlings, corn meal, palm oil, and in one case, ground corn and corn cobs.

The Feeding Stuff Law prohibits ground corn cobs from being mixed with wheat products, and therefore, this product was sold in violation of the law. The protein in these admixtures varied from 11.75 per cent. to 17.75 per cent., and the fat varied from 3.25 per cent. to 8.50 per cent.

MIXED FEED: WHEAT BY-PRODUCTS.

Analyses on Pages 82 to 85.

Sixteen samples of wheat mixed feeds were received, all of which were guaranteed. No adulterations were detected. The protein varied from 16.00 per cent. to 19.44 per cent., with an average of 16.85 per cent. The fat varied from 4.75 per cent. to 5.60 per cent., with an average of 5.18 per cent., and the content of fiber averaged 7.96 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples, -----	4	5	16	18	7	16
Crude protein, -----	13.99	15.74	16.19	16.55	16.39	16.85
Crude fat, -----	4.43	5.10	4.91	4.82	4.80	5.18
Crude fiber, -----			7.49	7.64	7.65	7.96
Price per ton, -----	\$24 75	\$24 80	\$29 18	\$30 72	\$24 57	\$28 81

WHEAT BRAN.

Analyses on Pages 84 to 101.

Two hundred and forty-six samples of wheat bran were received, 178 of which were guaranteed. In the case where these guarantees were stated, only one was found to be less than one-half of one per cent. below the guarantee for fat. As a rule, the samples of wheat bran were remarkably free from adulteration of foreign substances. In one case, a small amount of oat hulls and corn cockle was detected, and in another, a considerable amount of chaff and a small amount of flaxseed and corn cockle were found to be present.

The protein ranged from 14.50 per cent to 18.75 per cent., with an average of 16.37 per cent. The fat ranged from 3.58 per cent. to 6.5 per cent., with an average of 5.14 per cent., and the fiber averaged 9.78 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.
Number of samples, -----	59	26	75	258	176	246
Crude protein, -----	14.30	14.85	15.74	15.57	15.78	16.37
Crude fat, -----	4.48	4.79	5.02	4.96	4.99	5.14
Crude fiber, -----			9.72	9.50	10.08	9.78
Price per ton, -----	\$23 74	\$22 44	\$23 66	\$29 25	\$28 54	\$27 66

RYE OFFALS.

Analyses on Pages 100 to 103.

Fourteen samples of rye by-products were received, 11 of which were classed as rye middlings and 3 of which were classed as rye mixed feed. Only 6 of these products were guaranteed. No deficiencies or adulterations were detected. In the rye middlings the protein varied from 14.69 per cent. to 17.31 per cent., with an average of 16.05 per cent. The fat varied from 3.05 per cent. to 3.88 per cent., with an average of 3.63 per cent., and the fiber averaged 5.23 per cent.

In the rye mixed feeds, the protein varied from 14.13 per cent. to 16.38 per cent., with an average of 15.25 per cent. The fat varied from 3.20 per cent. to 3.55 per cent., with an average of 3.33 per cent. The content of fiber averaged 4.13 per cent.

WHEAT AND RYE OFFALS.

Analyses on Pages 102 and 103.

The number of samples included in this class was 8, 5 of which were wheat and rye middlings, with an average of protein, 16.36 per cent.; fat, 4.54 per cent., and fiber 5.22 per cent., and 3 being wheat and rye brans, the average analysis being, protein, 17.06 per cent.; fat, 4.97 per cent., and fiber 8.53 per cent. All but one of these products were properly guaranteed and no deficiencies or adulterations were detected.

BUCKWHEAT OFFALS.

Analyses on Pages 102 to 105.

During the year one sample of feeding stuffs was received which was classed as buckwheat middlings, the analysis being found to be protein, 31.19 per cent.; fat, 8.58 per cent.; fiber, 3.31 per cent. Five samples were received which were classed as buckwheat feeds, the average analysis being protein, 15.81 per cent.; fat, 4.27 per cent.; fiber, 23.44 per cent. Only one of the buckwheat offals was found to be properly guaranteed.

The Feeding Stuffs Law exempts buckwheat middlings from being guaranteed for protein, fat and fiber; but, in the case of buckwheat feeds, these guarantees are required.

ALFALFA MEAL.

Analyses on Pages 104 to 107.

Twenty-five samples of alfalfa meals were received during the year, 4 of which were not guaranteed for protein, fat and fiber, as required by the Feeding Stuff Law.

One sample was a mixture of alfalfa, brewers' grains and molasses, and five were alfalfa mixed with fine syrup. In the pure alfalfa meals, excluding the one which was mixed with brewers' grains and molasses, and the five to which syrup had been added, the protein varied from 11.10 per cent. to 18.75 per cent., with an average of 14.76 per cent. The fat varied from 1.65 per cent. to 3.90 per cent., with an average of 2.35 per cent., and the fiber averaged 29.99 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1908.	1909.	1910.
Number of samples,	11	10	25
Crude protein,	15.12	15.47	14.76
Crude fat,	2.36	2.62	2.35
Crude fiber,	32.68	27.66	29.99
Price per ton,	\$28 00	\$32 00	\$29 00

BEET PULP.

Analyses on Pages 106 and 107.

During the year 11 samples of beet pulp were received, which were properly guaranteed, no deficiencies being detected.

The protein in this product ranged from 8.13 per cent. to 9.31 per cent., with an average of 8.94 per cent. The fat varied from 0.80 per cent. to 1.45 per cent., with an average of 1.16 per cent., and the fiber averaged 17.71 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1907.	1908.	1909.	1910.
Number of samples, -----	3	4	4	11
Crude protein, -----	8.90	9.56	9.63	8.94
Crude fat, -----	0.69	0.92	1.01	1.16
Crude fiber, -----	19.44	19.40	18.01	17.71
Price per ton, -----	\$23 33	\$24 75	\$25 12	\$28 50

MIXED FEEDS: PROPRIETARY AND OTHERWISE.

During the year, 655 samples of feeding stuffs were received and analyzed, which are grouped under the above heading. Six subdivisions of these feedings stuffs have been made, and the samples received have been grouped in the table under the follownig headings:

- Proprietary dairy and stock feeds.
- Proprietary horse and mule feeds.
- Calf meals.
- Miscellaneous feeds.
- Miscellaneous chop feeds and
- Proprietary poultry feeds.

PROPRIETARY DAIRY AND STOCK FEEDS.

Analyses on Pages 106 to 163.

During the year the number of samples of this class of feeding stuffs received was 285, all of which were guaranteed for protein, fat and fiber. One sample was found to be more than one per cent below the guarantee for protein and one-half of one per cent. below the guarantee for fat. In 32 samples, the protein was one per cent.

or more below the guarantee, and in eight samples, the content of fat was one-half of one per cent. or more below the guarantee. The Feeding Stuffs Law prohibits the sale of this class of goods when containing more than nine per cent. of crude fiber, where oat hulls, corn cobs, elevator chaff and flax plant refuse are used in the mixture. It also prohibits the use of weed seeds in such products. By referring to the table, it will be noticed that in a number of cases the content of crude fiber exceeded the restricted amount, and also that in a number of samples weed seeds were found to be present in varying proportions. No samples were found during the year which were adulterated with peanut shucks or rice hulls, which was found to be the case in the inspection work during previous years. The chemical analysis and composition of these brands of feeding stuffs will be found in the table as indicated, and among the brands received are included:

Acme Feed, Altoona Feed Mills Dairy Feed, Sucrene Dairy Feed, Ubiko Union Grains Biles Ready Dairy Rations, Unicorn Dairy Rations, Crystaloid Dairy Feed, Emporium Feed, No. 1 Mixed Feed, Globe Mill Feed, Globe Elevator Co's Mill Feed and Dairy Mixed Feed, Good Luck Feed, Boss Chop Feed, Daisy Dairy Feed, Sterling Stock Feed, H. & S. Alfalfa Feed, Harper's Mixed Alfalfa Stock Feed, Algrane Mixed Feed, Eclipse Feed, Husted Molasses Feed and Stock Feed, International Dairy Feed, International Special Molasses Feed, Badger Dairy Feed, Badger Stock Feed, Nature's Stock Feed, Best Mixed Feed for Cows, Mihimico Stock Feed, Sugarota Dairy Feed, Otto Weiss' Alfalfa Dairy Food, Alfalfa Hog Food, Alfalfa Oats Food and Alfalfa Stock Food, P. & S. Feed, Pioneer Stock Feed, Pollock's C. O. & B. Feed, Quaker Oats Co's. C. O. & B. Feed, Quaker Dairy Molasses Feed, Schumacher Stock Feed, Victor Feed, White Diamond Feed, Scranton Flour & Grain Co's Stock Food, Sugarine Dairy Feed, Star Feed, Hammond Dairy Feed, Molasses Corn Flakes and Diamond Cut Stock Feed.

PROPRIETARY HORSE AND MULE FEEDS.

Analyses on Pages 162 to 171.

Fifty-two samples of feeding stuffs were received and analyzed, which are classed as Proprietary Horse and Mule Feeds. All but one of these was guaranteed for protein, fat and fiber. In two samples the protein was found to be one or more per cent. below the amount guaranteed, and in six samples the content of fat was found to be in excess of one-half of one per cent. below the amount guaranteed.

In a number of these samples weed seeds were found to be present in varying amounts, as was found to be the case in several of the

samples of the dairy and stock feeds. Their chemical analysis and composition will be found in the table as indicated above. The following brands are included in this class:

Alfalfa Horse Feed, Altoona Feed Mills Horse Chop, Acme Horse Feed No. 1, Sucrene Alfalfa Horse and Mule Feed, Sucrene Horse and Mule Feed, Acme Horse Feed, Ubiko Horse and Stock Feed, several brands of horse chop manufactured by Cannonsburg Roller Mills, Chester Milling Co., E. D. Clark, Hagey Bros., Klepser Bros., and S. F. Phillips & Son, Daisy Horse Feed, Badger Alfalfa Horse and Mule Feed, Best Feed for Horses, Alfalfa Horse Feed, McMahan's Prepared Horse Feed, Sugarota Horse Feed, Buffalo Horse Feed, Primo Sylva Horse Feed, Peter's Arab Balanced Horse Feed, Molac Horse Feed, Sugarine Horse Feed, and Chicago Alfalfa Horse and Mule Feed.

CALF MEALS.

Analyses on Pages 170 and 171.

Eleven samples of calf meals were received and analyzed, all of which were guaranteed for protein, fat and fiber, including four samples of Blatchford's Calf Meal, one sample of Gregson's Calf Meal and six samples of Schumacher Calf Meal. No marked deficiencies in protein and fat were detected in these samples. In a few cases the composition was not given, as required.

MISCELLANEOUS FEEDS.

Analyses on Pages 170 to 175.

Twenty-seven samples were received which were classed as Miscellaneous Feeds, all but two of which were guaranteed for protein, fat and fiber. In three samples the protein was found to be one per cent. or more below the guarantee and in one sample the fat was found to be in excess of one-half of one per cent below the guarantee. The analysis and composition of these brands will be found in the table as indicated above. The following brands are included:

Flaxo Meal, No. 1 Mixed Feed, Graino Barley Feed, Imperial Feed Meal, Pure Eagle Barley Feed, Kornfalfa Feed, Milk and Muscle Producer, Special Pig Grower, Prime Cottonseed Feed, Boveta Brand Cottonseed Hull and Meal Mixture, Ordinary Feed Meal and several other mixed feeds.

MISCELLANEOUS CHOP FEEDS.

Analyses on Pages 174 to 191.

Under this heading are grouped 169 samples of feeding stuffs which were analyzed during the year, 99 of which were guaranteed. They include 16 samples of corn chop, averaging protein, 8.69 per cent., fat, 3.91 per cent., fiber, 19.39 per cent.; 52 samples of corn and oats chop, averaging protein, 9.53 per cent, fat, 4.15 per cent.,

fiber, 3.91 per cent.; 7 samples of corn, oats and barley chops, averaging protein, 10.45 per cent., fat, 4.57 per cent., fiber, 4.50 per cent.; 10 samples of corn, oats and rye chops, averaging protein, 10.39 per cent., fat, 3.61 per cent., fiber, 3.68 per cent. and 84 samples of other feeds including various mixtures of corn, oats, wheat, buckwheat, rye, barley, oat hulls, hominy feed, etc. The chemical analysis and composition of these chop feeds will be found in the table, as indicated above. Only a few deficiencies were detected.

PROPRIETARY POULTRY FOODS.

Analyses on Pages 190 to 209.

The number of samples of Proprietary Poultry Foods received and analyzed during the year was 111, 96 of which were guaranteed. In four of these samples the protein was in excess of one per cent. below and the fat in excess of one-half of one per cent. below the guarantees. In three samples, the protein was in excess of one per cent. below the guarantee, and in two samples, the fat was in excess of one-half of one per cent. below the guaranteed amount.

Among the brands of poultry feeds included in this class are:

Eclipse Poultry Food, Blended Hen Food, Chick Feed Invigorator, Blatchford's Poultry Meats, Bourbon Scratch Feed, Chickseat, Superior Hen Food, Superior Chick Food, Globe Scratch Feed, White Cross Scratch Feed, Eaton's Climax Grain Mixture, Eaton's Perfection Mash Mixture, Laymor Hen Feed, Red Comb Meat Mash, Red Comb Poultry Feed, Neverfail Egg Producer, Sterling Chick Feed, Sterling Scratch Feed, Ideal Chick and Hen Feed, Martin's Mixed Poultry Feed and Peep Feed, Best Mixed Grains for Chickens, Purina Mill Feed Chick Feed, Purina Mill Feed Scratch Size, American Poultry Feed, Red Hen Scratching Grains, American Hen Scratching Grains, Schumacher Little Chick Feed, Schumacher Scratching Grains, Universal Mill Feed, Red Hen Scratch Feed, and several other brands of mixed hen feeds, chicken feeds and pigeon feeds. The analysis and composition will be found in the table as indicated above.

ANIMAL BY-PRODUCTS.

Analyses on Pages 208 to 211.

Only eight samples of feeding stuffs under this class were received and analyzed during the year, all but one of which were found to be guaranteed. In two samples, the content of crude protein was found to be in excess of one per cent. below the guaranteed amount. These products are principally composed of ground beef scraps, pork cracklings and ground meat. The analyses and compositions will be found in the table as indicated above.

CONDIMENTAL STOCK AND POULTRY FOODS.

Analyses on Pages 210 to 213.

Of this class of goods nine samples were received and analyzed, six of which were found to be guaranteed. A large number of condimental stock and poultry tonics are sold in Pennsylvania which are not covered by the law, inasmuch as no feeding or nutritive value is claimed for them, and also as they are sold practically as tonics or regulators. Of the nine samples received, only two were found which did not have the composition stated upon the packages in which the sample was sold. The analysis of these samples, together with the composition or list of ingredients of which they are composed, will be found in the table as indicated above.

 ANALYSIS OF SAMPLES OF FEEDING STUFFS COLLECTED
BY SPECIAL AGENTS.

The following table (No. IX), shows the partial chemical analyses and the results of the microscopical examinations, together with the retail price of the 1,500 samples of feeding stuffs which were secured by Special Agents of the Department during 1910. The samples are classed in the table under the headings as follows:

Oil Cake Meals, including cottonseed meal, linseed meal, linseed meal with admixtures and corn oil meal.

Distillery and Brewery By-Products, including distillers' grains, brewers' grains and malt sprouts.

Maize By-Products, including gluten feed, hominy feed, flakeline, maizeline and corn bran.

Wheat Offals, including low grade flour, wheat middlings, wheat middlings with admixtures, mixed feed:—wheat by-products and wheat bran.

Rye Offals, including rye middlings, rye bran and mixed feed:—rye by-products.

Wheat and Rye Offals, including wheat and rye bran and middlings.

Buckwheat Offals, including buckwheat middlings and feeds.

Alfalfa Meals.

Beet Pulp.

Mixed Feeds, including proprietary dairy and stock feeds, proprietary horse and mule feeds, calf meals, miscellaneous feeds, chop feeds and proprietary poultry foods.

Animal By-Products.

Condimental Stock and Poultry Foods.

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
OIL CAKE MEALS.						
Cottonseed Meal.						
3907	----- H. E. Bridger & Co., Memphis, Tenn.	St. Marys, L. Ritter, -----	207	Per ct. 7.36	Per ct. 39.56	Per ct. 33.5-41
5110	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Doylestown, H. S. Beidler,--	1410	7.41	42.00	41-43
3824	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Alba, S. S. Cosper, -----	124	7.89	40.69	41-43
3872	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Knoxville, Deerfield Milling Co.	172	7.34	40.00	41-43
3881	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Coudersport, Gates Bros.,--	181	6.53	44.31	41-43
4825	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Danville, Haney - Frazier Milling Co.	1125	6.40	40.63	41-43
4427	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Mechanicsburg, A. B. Har- nish.	727	6.33	45.13	41-43
4089	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	New Kensington, J. A. Hawk.	389	7.35	42.03	41-43
4954	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Butler, H. J. Klingler & Co.	1254	7.36	41.69	41-43
4788	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Milton, C. H. McMahon,--	1088	7.41	39.25	41-43
5090	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Pottstown, W. H. Saylor & Son.	1390	7.46	40.50	41-43
4053	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Pittsburg, The I. W. Scott Co.	353	7.14	41.31	41-43
4730	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Du Bois, A. T. Sprankle,--	1020	8.55	41.50	41-43
3834	Owl Brand, F. W. Brode & Co., Memphis, Tenn.	Quakertown, T. & J. Strawn.	134	7.49	42.75	41-43
		Average, -----		7.28	41.68	-----
3771	Buckeye, Buckeye Cotton Oil Co., Augusta, Ga.	New Milford, H. B. Carpen- ter & Co.	71	8.08	37.94	39-41
5051	Buckeye Prime, Buckeye Cotton Oil Co., Augusta, Ga.	Union City, Union Coal and Supply Co.	1351	9.06	39.75	39-41
		Average, -----		8.57	38.85	-----
4072	Green Diamond, Chapin & Co., Buffalo, N. Y.	Kittanning, D. H. Boarts,--	372	6.85	43.69	41.00
4082	Green Diamond, Chapin & Co., Buffalo, N. Y.	Kittanning, J. A. Gault & Co.	382	7.45	43.75	41.00
		Average, -----		7.15	43.72	-----
4330	----- Farmers' Cotton Oil and Trading Co., Union- town, Ala.	Gettysburg, C. M. Wolf, Jr.	660	7.92	39.38	38.00
5064	Dixie Brand, Humphreys, Godwin & Co., Memphis, Tenn.	Eric, A. P. Allen, -----	1364	7.55	41.09	38.50-43
3846	Dixie Brand, Humphreys, Godwin & Co., Memphis, Tenn.	Wellsboro, Geo. C. & F. A. Brooks.	146	8.29	38.50	38.50-43
5086	Dixie Brand, Humphreys, Godwin & Co., Memphis, Tenn.	Pottstown, A. K. Kulp,	1386	7.56	37.81	38.62-43
4990	Dixie Brand, Humphreys, Godwin & Co., Memphis, Tenn.	Mercer, Mercer Milling and Lumber Co., Ltd.	1290	9.13	38.19	38.50-43
4045	Dixie Brand, Humphreys, Godwin & Co., Memphis, Tenn.	Charleroi, R. C. Mountser,	345	8.73	36.81	33.50-43

FEEDING STUFFS COLLECTED IN 1910.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.03	Per ct. 6-7	Per ct. 10.00	Per ct. 11-12	\$35 05	-----	Cottonseed meal, -----	3907
7.83	6-8	8.47	10.00	34 00	Decorticated cottonseed,---	As certified, -----	5110
8.25	6-8	8.02	10.00	1 90	Decorticated cottonseed,---	As certified, -----	3824
8.28	6-8	9.80	10.00	1 90	Decorticated cottonseed,---	As certified, -----	3872
9.65	6-8	6.28	10.00	1 90	Decorticated cottonseed,---	As certified, -----	3881
7.15	6-8	10.75	10.00	2 00	Decorticated cottonseed,---	As certified, -----	4823
8.50	6-8	6.25	10.00	36 00	Decorticated cottonseed,---	As certified, -----	4427
10.25	6-8	5.03	10.00	2 00	Decorticated cottonseed,---	As certified, -----	4089
12.00	6-8	5.00	10.00	1 90	Decorticated cottonseed,---	As certified, -----	4954
8.00	6-8	9.25	10.00	2 00	Decorticated cottonseed,---	As certified, -----	4783
9.30	6-8	8.70	10.00	1 80	Decorticated cottonseed,---	As certified, -----	5090
8.73	6-8	8.60	10.00	39 00	Decorticated cottonseed,---	As certified, -----	4053
7.85	6-8	7.02	10.00	2 00	Decorticated cottonseed,---	As certified, -----	4730
8.15	6-8	6.21	10.00	1 85	Decorticated cottonseed,---	As certified, -----	3834
8.76	-----	7.64	-----	38 00	-----	-----	-----
7.85	6-7.50	10.00	8-10	34 00	-----	Cottonseed meal, -----	3771
7.00	6.50-7	10.42	8-10	1 75	-----	Cottonseed meal, -----	5051
7.43	-----	10.21	-----	34 50	-----	-----	-----
9.80	8.00	5.42	10.00	2 10	-----	Cottonseed meal, -----	4072
8.88	8.00	5.95	10.00	2 15	-----	Cottonseed meal, -----	4082
9.34	-----	5.68	-----	42 50	-----	-----	-----
8.63	-----	9.80	-----	1 80	Cottonseed, -----	Cottonseed meal, -----	4360
8.73	7-9	7.62	10-13	35 00	Pressed cottonseed, -----	As certified, -----	5064
9.05	7-9	8.54	10-13	37 00	Pressed cottonseed, -----	As certified, -----	3846
8.00	6-8	8.30	8-12	1 75	Pressed cottonseed, -----	As certified, -----	5086
7.08	7-9	10.35	10-13	34 00	Pressed cottonseed, -----	As certified, -----	4990
7.00	7-9	10.57	10-13	36 00	Pressed cottonseed, -----	As certified, -----	4045

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
4011	Dixie Brand, Humphreys, Godwin & Co., Memphis, Tenn.	Scottsdale, J. E. Pritts,----	311	7.19	40.13	38.50-43
3853	Dixie Brand, Humphreys, Godwin & Co., Memphis, Tenn.	Wellsboro, B. Schrader & Son.	153	8.15	41.13	38.50-43
4374	Dixie Brand, Humphreys, Godwin & Co., Memphis, Tenn.	Chambersburg, George Walker.	674	7.00	36.63	38.50-43
4183	Dixie Brand, Humphries, Godwin & Co., Memphis, Tenn.	Christiana, B. Frank Walter.	483	8.32	42.13	38.50-43
		Average, -----		7.90	39.22	-----
3865	----- The Hunter Bros. Milling Co., St. Louis, Mo.	Knoxville, J. H. Burch, --	165	7.76	41.94	41.00
3739	Prime, The Hunter Bros. Milling Co., St. Louis, Mo.	Carrolltown, W. A. Eckenrode.	30	7.71	41.88	41.00
3730	Prime, The Hunter Bros., Milling Co., St. Louis, Mo.	Patton, F. E. Farabaugh,	30	7.42	42.44	41.00
		Average, -----		7.63	42.09	-----
4752	"Baltimore Brand," W. Newton Smith, Baltimore, Md.	Sunbury, Blank & Gottshall.	1052	7.49	37.63	41.00
4173	"Baltimore Brand," W. Newton Smith, Baltimore, Md.	Elizabethtown, E. H. Lehman.	473	8.25	39.60	41.00
4176	"Baltimore Brand," W. Newton Smith, Baltimore, Md.	Elizabethtown, A. W. Martin.	476	8.35	39.00	41.00
5119	Dirigo Brand, W. Newton Smith, Baltimore, Md.	Windber, Weaver & Berkey,	1419	6.70	41.00	41-45
		Average, -----		7.60	39.33	-----
3767	Choice Bolted, J. E. Soper Co., Boston, Mass.	Montrose, Slatter & Roberts.	67	6.57	40.00	40-42
4118	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	Lancaster, John W. Eshelman.	418	7.21	39.19	41.00
3874	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	Coudersport, Eulalia Milling Co.	174	7.04	39.06	41.00
4367	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	Greencastle, Greencastle Elevator Co.	667	7.96	40.06	41.00
4978	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	Harmony, Harmony Cereal Co.	1278	8.47	38.50	41.00
4201	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	York, Miller Bros., -----	501	8.54	38.63	38.62
4531	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	Allentown, Geo. B. Shelly Est.	831	7.29	36.72	41.00
4219	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	York, H. H. Smyser,	519	7.80	36.13	41.00
3750	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	Johnstown, Swope Bros.,---	50	8.07	39.10	41.00
4355	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	Belleville, C. Y. Wagner,--	655	8.07	38.00	41.00
4297	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	Puansutawney, G. A. Weiss & Bro.	597	6.87	38.44	41.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.03	Per ct. 7-9	Per ct. 10.18	Per ct. 10-13	\$38 00	Pressed cottonseed, -----	As certified, -----	4011
9.10	7-9	8.41	10-13	36 00	Pressed cottonseed, -----	As certified, -----	3853
7.15	7-9	10.65	10-13	1 70	Pressed cottonseed, -----	As certified, -----	4374
8.18	7-9	7.19	10-13	38 00	Pressed cottonseed, -----	As certified, -----	4183
8.04	-----	9.09	-----	35 89	-----	-----	-----
6.37	7.50	10.97	14.00	2 00	Prime cottonseed meal,---	As certified, -----	3865
8.00	7.50	8.35	14.00	1 95	-----	Cottonseed meal, ----	3739
7.60	7.50	8.45	14.00	38 00	-----	Cottonseed meal, ----	3730
7.32	-----	7.32	-----	39 00	-----	-----	-----
7.45	8.00	10.42	10.50	1 80	-----	Cottonseed meal and excessive amount of cottonseed hulls.	4752
7.95	8.00	9.03	10.50	37 00	-----	Cottonseed meal, ----	4173
7.73	8.00	9.30	10.50	1 85	-----	Cottonseed meal, ----	4176
8.80	7-9	8.00	10.50	35 00	-----	Cottonseed meal, ----	5119
7.98	-----	9.18	-----	36 25	-----	-----	-----
10.35	7-9	7.45	-----	1 80	-----	Cottonseed meal, ----	3767
8.43	9.00	8.95	7.00	36 50	Decorticated cottonseed,--	As certified, -----	4118
7.73	9.00	9.38	7.00	36 00	Decorticated cottonseed,--	As certified, -----	3874
7.62	9.00	8.20	7.00	33 00	Decorticated cottonseed,--	As certified, -----	4367
8.35	9.00	9.49	7.00	1 80	Decorticated cottonseed,--	Cottonseed meal and excessive amount of cottonseed hulls.	4978
9.05	9.00	9.23	7.00	1 65	Decorticated cottonseed,--	As certified, -----	4201
6.15	9.00	7.07	7.00	37 00	Decorticated cottonseed,--	As certified, -----	4531
9.00	9.00	10.98	7.00	35 00	Decorticated cottonseed,--	As certified, -----	4219
8.10	9.00	8.80	7.00	1 90	Decorticated cottonseed,--	As certified, -----	3750
6.40	9.00	16.47	7.00	36 09	Decorticated cottonseed,--	Cottonseed meal and excessive amount of cottonseed hulls.	4355
6.35	9.00	12.74	7.00	2 15	Decorticated cottonseed,--	Cottonseed meal and excessive amount of cottonseed hulls.	4297

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4485	Star Brand, J. Lindsay Wells Co., Memphis, Tenn.	Reading, Aug. C. Wertz & Bro.	785	Per ct. 8.03	Per ct. 39.07	Per ct. 41.00
		Average, -----		7.72	38.45	-----
		Total average, -----		7.62	40.11	-----
	Linseed Meal—New Process.					
5112	Cleveland Flaxmeal, American Linseed Co., Chicago, Ill.	Doylestown, H. S. Beidler, ..	1412	7.62	35.00	36-40
5084	Cleveland Flaxmeal, American Linseed Co., Chicago, Ill.	Pottstown, S. B. Wagner & Co.	1384	7.77	37.19	36-40
		Average, -----		7.69	36.10	-----
	Linseed Meal—Old Process.					
5128	----- American Linseed Co., New York, N. Y.	Somerset, H. C. Beerits' Sons.	1428	8.23	35.00	32-33
4913	----- American Linseed Co., New York, N. Y.	Nanticoke, Bergin & Co., ---	1213	9.68	35.31	32-36
4751	----- American Linseed Co., New York, N. Y.	Sunbury, Blank & Gottshall	1051	8.15	36.94	32-36
3867	----- American Linseed Co., New York, N. Y.	Knoxville, J. H. Burch, ---	167	9.10	37.06	32-33
3939	----- American Linseed Co., New York, N. Y.	Bradford, O. L. Douglass, ..	239	10.42	33.81	32-36
4114	----- American Linseed Co., New York, N. Y.	Lancaster, John W. Eshelman.	414	9.33	36.13	32-36
3731	----- American Linseed Co., New York, N. Y.	Patton, F. E. Farabaugh, ..	31	9.27	36.19	32-36
5179	----- American Linseed Co., New York, N. Y.	Carnegie, C. A. Foster, ----	1479	8.82	38.00	32-36
3883	----- American Linseed Co., New York, N. Y.	Coudersport, Gates Bros., ..	183	9.28	36.38	32-36
4827	----- American Linseed Co., New York, N. Y.	Danville, Haney-Frazier Milling Co.	1127	8.61	37.19	32-36
4267	----- American Linseed Co., New York, N. Y.	West Chester, E. D. Hemp-hill.	567	9.23	37.63	32-36
4142	----- American Linseed Co., New York, N. Y.	Leaman Place, Harry K. Hershey.	442	8.70	37.50	32-36
4398	----- American Linseed Co., New York, N. Y.	Newville, H. Manning & Son.	698	9.16	35.81	32-36
4047	----- American Linseed Co., New York, N. Y.	Charleroi, R. O. Mountser,	347	9.63	35.63	32-36
4428	----- American Linseed Co., New York, N. Y.	Harrisburg, Paxton Flour and Feed Co.	728	9.08	36.69	32-36
4714	----- American Linseed Co., New York, N. Y.	Phillipsburg, Phillipsburg Milling, Lighting and Heating Co.	1014	8.50	36.31	-----
4745	Wright & Hils Brand, American Linseed Co., New York, N. Y.	Clearfield, Ross & Woods, ..	1045	8.89	36.69	32-34
4453	----- American Linseed Co., New York, N. Y.	Harrisburg, J. H. Sheesley,	753	8.68	36.38	32-36
4529	----- American Linseed Co., New York, N. Y.	Allentown, Geo. B. Shelly Est.	829	8.07	36.75	32-36
3786	----- American Linseed Co., New York, N. Y.	Susquehanna, Homer E. Speneer.	86	9.80	34.81	32-33
4731	----- American Linseed Co., New York, N. Y.	Du Bois, A. T. Sprankle, --	1031	8.43	36.19	32-36
3923	----- American Linseed Co., New York, N. Y.	Kane, Swanson Grocery Co.,	223	10.56	35.81	32-36
3751	----- American Linseed Co., New York, N. Y.	Johnstown, Swope Bros., --	51	9.24	37.38	22-36

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$36 00	Decorticated cottonseed,--	Cottonseed meal and excessive amount of cottonseed hulls.	445
6.77	9.00	10.39	7.00				
7.63	-----	9.61	-----	36 32			
8.18	-----	8.73	-----	37 01			
2.65	1-3	9.53	6-7.50	35 00	-----	New process oil meal,--	5112
2.40	1-3	8.45	6-7.50	39 00	-----	New process oil meal,--	5054
2.53	-----	8.99	-----	38 50			
6.78	5-7	8.85	5.50-7	2 25	-----	Linseed oil meal, ----	523
6.63	5-7	7.97	5.50-7	2 00	-----	Linseed oil meal, ----	4913
7.00	5-7	7.47	5.50-7	1 95	-----	Linseed oil meal, ----	4751
5.98	5-7	7.35	5.50-7	2 00	-----	Linseed oil meal, ----	3837
5.65	5-7	7.37	9.11	2 05	-----	Linseed oil meal, ----	3039
5.60	5-7	7.61	5.50-7	37 50	-----	Linseed oil meal, ----	4114
6.23	5-7	7.50	5.50-7	2 20	-----	Linseed oil meal, ----	3731
6.30	5-7	7.51	5.50-7	38 00	-----	Linseed oil meal, ----	5179
5.78	5-7	7.56	5.50-7	2 00	-----	Linseed oil meal, ----	3883
5.40	5-7	7.55	5.50-7	2 00	-----	Linseed oil meal, ----	4227
5.45	5-7	7.15	5.50-7	40 00	-----	Linseed oil meal, ----	4267
6.18	5-7	7.72	5.50-7	38 00	-----	Linseed oil meal, ----	4142
5.70	5-7	8.10	9-11	1 75	-----	Linseed oil meal, ----	4398
5.85	5-7	7.67	5.50-7	38 00	-----	Linseed oil meal, ----	4047
6.13	5-7	7.87	9-11	36 00	-----	Linseed oil meal, ----	4223
5.90	-----	8.35	-----		-----	Linseed oil meal, ----	4714
6.30	6.00	7.17	5.50-7	2 25	-----	Linseed oil meal, ----	4745
6.40	5-7	7.97	9-11	1 90	-----	Linseed oil meal, ----	4433
6.20	5-7	7.47	9-11	38 00	-----	Linseed oil meal, ----	4529
6.20	5-7	7.66	5.50-7	2 00	-----	Linseed oil meal, ----	3786
6.23	5-7	7.57	5.50-7	2 00	-----	Linseed oil meal, ----	4731
5.93	5-7	7.11	5.50-7	2 00	-----	Linseed oil meal, ----	3923
6.40	5-7	6.87	5.50-7	2 00	-----	Linseed oil meal, ----	3751

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5085	----- American Linseed Co., New York, N. Y.	Pottstown, S. B. Wagner & Co.	1385	Per et. 8.15	Per et. 37.19	Per et. 32-36
4156	----- American Linseed Co., New York, N. Y.	Kinzer, E. E. & W. J. L. Walker.	456	9.57	37.31	32-36
4188	----- American Linseed Co., New York, N. Y.	Witmer, Joseph B. Weaver & Son.	488	9.44	35.81	32-36
		Average, -----		9.05	36.42	-----
5161	----- E. J. Bailey, Cleve- land, Ohio.	Canonsburg, Canonsburg Milling Co.	461	8.62	30.75	32.00
4952	----- E. J. Bailey, Cleve- land, Ohio.	Butler, H. J. Klingler & Co.	1252	8.90	32.63	32.00
		Average, -----		8.76	31.69	-----
4352	----- The Guy G. Major Co., Toledo, Ohio.	Renovo, M. Dwyer, -----	652	9.70	33.81	33-36
4848	----- The Guy G. Major Co., Toledo, Ohio.	Catawissa, M. J. Grimes & Bro.	1148	9.25	31.00	33-36
4979	----- The Guy G. Major Co., Toledo, Ohio.	Harmony, Harmony Cereal Co.	1279	9.95	30.63	30-36
5050	----- The Guy G. Major Co., Toledo, Ohio.	Corry, F. L. Heath, -----	1350	8.91	32.00	30-33
4993	----- The Guy G. Major Co., Toledo, Ohio.	Greenville, Hecker & Reed,	1293	9.11	31.94	30-36
4925	----- The Guy G. Major Co., Toledo, Ohio.	Seranton, Miner-Hillard Milling Co.	1225	8.41	30.63	30-36
4986	----- The Guy G. Major Co., Toledo, Ohio.	Mercer, I. J. Pizer & Son,	1286	9.43	32.63	30-36
4717	----- The Guy G. Major Co., Toledo, Ohio.	Munson Station, Jacob Smutzinger.	1017	9.38	30.94	30-36
		Average, -----		9.26	31.32	-----
5065	----- The Mann Bros. Co., Buffalo, N. Y.	Erie, A. P. Allen, -----	1365	9.08	35.69	34-37
4011	----- The Mann Bros. Co., Buffalo, N. Y.	Oil City, Clyde D. Duffee,---	1311	10.03	35.63	34-37
4101	----- The Mann Bros. Co., Buffalo, N. Y.	Beaver, A. F. Grine, -----	401	9.93	36.53	34-37
4280	----- The Mann Bros. Co., Buffalo, N. Y.	Port Allegany, Port Alle- gany Milling Co.	189	9.33	34.94	34-37
4286	----- The Mann Bros. Co., Buffalo, N. Y.	Lewistown, Spanogle-Yea- ger Milling Co.	580	8.73	36.63	34-37
3917	----- The Mann Bros. Co., Buffalo, N. Y.	Kane, J. A. Stoll, -----	217	9.19	36.00	34-37
4387	----- The Mann Bros. Co., Buffalo, N. Y.	Shippensburg, John P. Wadel.	687	9.64	35.19	34-37
4341	----- The Mann Bros. Co., Buffalo, N. Y.	Lock Haven, E. E. Wentz,--	641	9.53	35.75	34-37
		Average, -----		9.43	35.80	-----
4125	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Somerset, John G. Emert,	1425	8.35	33.75	30-36
4012	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Oil City Enterprise Milling Co.	1312	9.85	33.13	30-36
4094	----- The Metzger Seed and Oil Co., Toledo, Ohio.	New Brighton, J. H. Horn- by & Sons.	394	9.54	34.94	30-36
4034	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Franklin, Johnson & Co.,--	1334	8.63	33.81	30-36
		Average, -----		9.09	33.91	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.55	Per ct. 5-7	Per ct. 7.72	Per ct. 5.50-7	\$1 90	-----	Linseed oil meal, ----	5085
6.15	5-7	7.31	5.50-7	1 95	-----	Linseed oil meal, ----	4156
5.75	5-7	8.05	9-11	38 00	-----	Linseed oil meal, ----	4183
6.07	-----	7.63	-----	33 50	-----		
7.11	8.00	8.37	8.00	38 00	-----	Linseed oil meal, ----	5161
6.94	8.00	8.85	8.00	1 95	-----	Linseed oil meal, ----	4952
7.03	-----	8.61	-----	38 50	-----		
7.18	5-7	9.00	2-10	2 25	-----	Linseed oil meal, ----	4352
6.80	5-7	9.15	2-10	2 00	-----	Linseed oil meal, ----	4848
6.40	5-7	9.45	2-10	1 80	-----	Linseed oil meal and small amount of chaff.	4979
7.00	5-7	9.32	2-10	2 25	-----	Linseed oil meal and trace of chaff.	5050
7.40	5-7	8.65	2-10	2 20	-----	Linseed oil meal, ----	4993
6.90	5-7	9.52	2-10	1 90	-----	Linseed oil meal and small amount of chaff.	4925
6.85	5-7	9.27	2-10	2 00	-----	Linseed oil meal and small amount of chaff.	4986
7.43	5-7	9.67	2-10	2 00	-----	Linseed oil meal and small amount of chaff.	4717
7.00	-----	9.25	-----	41 00	-----		
7.75	6-7	7.97	5-10	33 00	-----	Linseed oil meal, ----	5065
7.23	6-7	7.95	5-10	2 00	-----	Linseed oil meal, ----	5011
7.18	6-7	7.36	5-10	2 10	-----	Linseed oil meal, ----	4101
9.85	6-7	7.83	5-10	2.25	-----	Linseed oil meal, ----	3889
7.93	6-7	7.25	5-10	2 00	-----	Linseed oil meal, ----	4280
7.58	6-7	7.47	5-10	1 95	-----	Linseed oil meal, ----	3917
8.25	6-7	7.80	5-10	2 25	-----	Linseed oil meal, ----	4387
8.98	6-7	6.65	5-10	2 25	-----	Linseed oil meal, ----	4341
8.09	-----	7.54	-----	41 75	-----		
6.13	5-7	8.15	2-10	40 00	-----	Linseed oil meal, ----	5125
6.73	5-7	9.02	2-10	2 25	-----	Linseed oil meal, ----	5012
7.30	5-7	7.74	2-10	2 10	-----	Linseed oil meal, ----	4094
6.78	5-7	8.47	2-10	42 00	-----	Linseed oil meal, ----	5034
6.74	-----	8.34	-----	42 25	-----		

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5115	----- Midland Linseed Co., Chicago, Ill.	Doylestown, H. S. Beidler,--	1415	Per ct. 8.26	Per ct. 35.94	Per ct. 32.00
5656	----- Midland Linseed Co., Chicago, Ill.	Union City, Union Coal and Supply Co.	1356	8.78	35.31	32.00
	Average, -----			8.52	35.63	-----
3977	----- National Lead and Oil Co. of Penna., Pittsburgh, Pa.	Greensburg, McFarland Supply Co.	277	8.34	35.31	32.00
3914	----- Northern Linseed Oil Co., Minneapolis, Minn.	St. Marys, Hall, Kaul & Hyde Co.	214	8.80	34.75	32.38
4073	----- Red Wing Linseed Co., Red Wing, Minn.	Kittanning, D. H. Boarts,--	373	7.51	34.25	30.00
4079	----- Red Wing Linseed Co., Red Wing, Minn.	Kittanning, J. A. Gault & Co.	379	6.47	34.75	30.00
	Average, -----			6.99	34.50	-----
3726	----- The Sherwin Williams Co., Cleveland, Ohio.	Indiana, J. L. Orr, -----	26	8.85	36.75	33.00
4107	----- Thompson & Co., Allegheny, Pa.	Cresson, H. J. Eberly, ----	407	9.59	36.60	32-37.50
1598	----- Thompson & Co., Allegheny, Pa.	Bedford, Farmers' Exchange.	898	9.36	32.00	32-37.50
3716	----- Thompson & Co., Allegheny, Pa.	Homer City, A. George & Son.	16	11.11	33.50	32-37.50
5134	----- Thompson & Co., Allegheny, Pa.	Washington, D. P. Hart,--	1434	8.72	34.50	31-37.50
4024	----- Thompson & Co., Allegheny, Pa.	Uniontown, King Bros., --	324	8.68	36.75	32-37.50
4070	----- Thompson & Co., Allegheny, Pa.	Leechburg, Leechburg Flouring Mill.	370	9.38	36.50	32-37.50
3968	----- Thompson & Co., Allegheny, Pa.	Greensburg, Harry Orr & Co.	268	9.38	33.19	32-37.50
	Average, -----			9.46	34.73	-----
	Linseed Meal with Admixtures.	Total average, -----		9.06	35.05	-----
5165	Old Process Laxo Cake, Laxo Cake Meal Co., Chicago, Ill.	Canonsburg, Dunlap Bros.,	1465	7.90	27.19	25-28
4076	Old Process Laxo Cake, Laxo Cake Meal Co., Chicago, Ill.	Kittanning, William Gates Est.	376	7.88	26.56	25-28
3997	Old Process Laxo Cake, Laxo Cake Meal Co., Chicago, Ill.	Jeannette, N. C. Maines,---	297	8.55	26.38	25-28
4092	Old Process Laxo Cake, Laxo Cake Meal Co., Chicago, Ill.	New Kensington, Skillen & Gailey.	392	8.25	26.88	25-28
	Average, -----			8.14	26.75	-----
	Corn Oil Meal.					
5024	Globe, Corn Products Refining Co., New York, N. Y.	Tionesta, Lanson Bros.,---	1324	10.29	21.50	19.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.33	Per ct. 6.00	Per ct. 7.10	Per ct. 10.00	\$39 00	-----	Linseed oil meal, ----	5115
6.05	6.00	7.52	8.50- 9.50	2 00	-----	Linseed oil meal, ----	5056
6.19	-----	7.31	-----	39 50	-----		
7.33	5.20	7.69	8.90	2 25	-----	Linseed oil meal, ----	3977
6.90	6-8	7.87	9-11	2 50	-----	Linseed oil meal, ----	3914
8.03	6.00	7.85	9.00	2 10	-----	Linseed oil meal, ----	4073
8.20	6.00	7.87	9 00	2 15	-----	Linseed oil meal, ----	4079
8.12	-----	7.86	-----	42 50	-----		
6.70	6.00	7.27	8.00	40 00	-----	Linseed oil meal, ----	3726
5.93	5.50- 8.50	7.60	6-11	2 25	-----	Linseed oil meal, ----	4107
6.90	5.50- 8.50	8.85	6-11	2 10	-----	Linseed oil meal, ----	4598
7.10	5.50- 8.50	7.97	6-11	2 15	-----	Linseed oil meal, ----	3716
6.15	5.50- 8.50	8.00	6-11	2 25	-----	Linseed oil meal, ----	5134
5.65	5.50 8.50	7.79	6-11	2 20	-----	Linseed oil meal, ----	4024
5.83	5.50- 8.50	7.20	6-11	2 00	-----	Linseed oil meal, ----	4070
7.38	5.50- 8.50	8.62	6-11	2 25	-----	Linseed oil meal, ----	3968
6.42	-----	8.00	-----	43.43			
6.67	-----	7.94	-----	40 30			
8.60	8-10	9.25	7-11	38 00	Made from unscreened flaxseed from which the ordinary field weed seeds, such as little buckwheat, foxtail, mustard, pig weed, rape, bindweed, etc., have not been separated, and is cooked and sterilized.	As certified, -----	5165
9.50	8-10	9.66	5-9	2 10	-----	Linseed meal and a large proportion of weed seed residue.	4076
8.78	8-10	9.06	5-9	2 10	-----	Linseed meal and a large proportion of weed seed residue.	3597
9.55	8-10	9.96	5-9	2 00	-----	Linseed meal and a large proportion of weed seed residue.	4092
9.11	-----	9.48	-----	40 50			
13.45	7.50	7.72	15.00	1 70	Made from corn, -----	As certified, -----	5024

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
DISTILLERY AND BREWERY BY-PRODUCTS.						
	Distillers' Grains.					
3844	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Wellsboro, Geo. C. & F. A. Brooks.	144	Per et. 4.46	Per et. 30.06	Per et. 31-33
4117	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Lancaster, John W. Eshelman.	417	6.31	31.56	31-33
4210	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	York, Jacob Eyster, -----	510	4.63	29.00	31-33
4422	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Mechanicsburg, A. B. Harnish.	722	7.49	27.56	30-33
4246	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Parkesburg, E. H. Keen & Co.	546	5.35	31.81	31-33
5146	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Washington, G. W. McBrier.	1446	5.16	32.38	31-33
4202	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	York, Miller Bros., -----	502	5.91	30.13	31-33
4192	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	York, F. Z. Stauffer, -----	492	5.12	30.56	30-33
	Average, -----			5.55	30.38	-----
5079	Atlantic, Atlantic Export Co. of Wisconsin, Chicago, Ill.	Pottstown, A. K. Culp, ----	1379	6.19	30.69	30.00
4245	----- M. F. Baringer, Philadelphia, Pa.	Parkesburg, E. H. Keen & Co.	545	7.04	27.56	28-31
4203	----- M. F. Baringer, Philadelphia, Pa.	York, Mitzel & Sloat, -----	503	6.46	26.47	28-31
	Average, -----			6.75	27.02	-----
5062	Fourex, The J. W. Biles Co., Cincinnati, Ohio.	Erie, A. P. Allen, -----	1362	5.85	33.00	31.00
4484	Fourex, The J. W. Biles Co., Cincinnati, Ohio.	Reading, Aug. C. Wertz & Bro.	784	6.77	29.56	31.00
	Average, -----			6.31	31.28	-----
4903	Continental, Continental Cereal Co., Peoria, Ill.	Hazleton, John G. Seager's Sons.	1203	4.27	31.88	33.00
4960	Continental, Continental Cereal Co., Peoria, Ill.	Butler, B. F. Shannon & Co.	1260	6.33	26.44	31.00
	Average, -----			5.30	29.16	-----
5047	Hector, The Hottelet Co., Milwaukee, Wis.	Corry, W. A. Dodd, -----	1347	5.34	27.44	30-33
5095	Proteino, C. F. Keck & Co., Milwaukee, Wis.	Pottstown, W. H. Moser, ---	1395	5.58	28.40	28-30
5080	Proteino, C. F. Keck & Co., Milwaukee, Wis.	Pottstown, S. B. Wagner & Co.	1380	5.28	27.50	28-30
	Average, -----			5.43	27.95	-----
	Total average, -----			5.75	29.59	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 13.14	Per ct. 12.00	Per ct. 10.97	Per ct. 12-14	\$35 00	-----	Distillers' grains (large- ly from corn.)	3844
13.23	12-14	12.22	12-14	33 50	-----	Distillers' grains (large- ly from corn.)	4117
13.58	11-14	13.00	12-14	1 85	-----	Distillers' grains (large- ly from corn.)	4210
13.03	11-14	10.10	12-14	33 75	-----	Distillers' grains (large- ly from corn.)	4422
14.20	12-14	11.85	12-14	33 00	-----	Distillers' grains (large- ly from corn.)	4246
13.50	12-14	12.15	12-14	33 00	-----	Distillers' grains (large- ly from corn.)	5143
14.09	12-14	12.90	12-14	1 95	-----	Distillers' grains (large- ly from corn.)	4202
13.20	11-14	13.08	12-14	33 00	-----	Distillers' grains (large- ly from corn.)	4192
13.49	-----	12.03	-----	35 03	-----		
9.65	8.00	10.70	12.00	1 55	-----	Distillers' grains (large- ly from corn.)	5079
11.10	9-12	10.20	14.00	33 00	-----	Distillers' grains (large- ly from corn.)	4245
11.99	9-12	11.90	14.00	32 50	-----	Distillers' grains (large- ly from corn.)	4203
11.50	-----	11.05	-----	32 75	-----		
14.93	12.00	12.00	13.00	32 00	-----	Distillers' grains (large- ly from corn.)	5062
9.75	12.00	11.00	13.00	34 00	-----	Distillers' grains (large- ly from corn.)	4484
12.34	-----	11.50	-----	33 00	-----		
15.89	14.00	9.62	-----	1 70	-----	Distillers grains from corn containing small amount of barley and oat residues.	4903
14.63	13.50	8.62	8.50	34 00	Pure distillers' grains from corn.	Distillers' grains from corn containing small amount of barley and oat residues.	4900
14.22	-----	9.12	-----	34 00	-----		
11.43	10-12	10.70	14.00	32 00	-----	Distillers' grains (large- ly from corn.)	5047
11.50	10-12	11.47	14.00	1 60	Corn distillers' grains,	Corn distillers' grains and small amount of barley and oat residues.	5095
11.00	10-12	12.05	14.00	33 00	Corn distillers' grains,	Corn distillers' grains and small amount of barley and oat residues.	5080
11.25	-----	11.76	-----	32 50	-----		
12.64	-----	11.36	-----	33 76	-----		

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4108	----- Cresson Springs Brewing Co., Cresson, Pa.	Cresson, Cresson Springs Brewing Co.	408	Per et. 8.57	Per et. 28.75	-----
3768	----- The Hottel Co., Milwaukee, Wis.	Alford, F. E. Moore, -----	68	4.63	24.44	26.00
4037	----- Vandergrift Distilling Co., Vandergrift Landing, Pa.	Monongahela, D. E. Gamble.	337	4.69	13.60	-----
		Average, -----		5.96	22.26	-----
	Brewers' Grains.					
3836	----- Atlantic Export Co. of Wisconsin, Chicago, Ill.	Riehland Center, Allen K. Smith.	136	6.30	22.06	27.00
3841	----- M. F. Baringer, Philadelphia, Pa.	Wellsboro, Geo. C. & F. A. Brooks.	141	5.60	25.88	25.00
3749	----- Conemaugh Brewing Co., Conemaugh, Pa.	Johnstown, Swope Bros.,---	49	8.69	26.88	24.00
4271	Holstein, Hottel & Co., Milwaukee, Wis.	Kennett Square, C. G. Gawthrop Co., Ltd.	571	7.56	25.44	27.00
4240	Holstein, Hottel & Co., Milwaukee, Wis.	Coatesville, P. D. Handwork Co.	540	5.11	23.75	27.00
		Average, -----		6.33	24.60	-----
4332	----- Johnstown Dry Grains Co., Johnstown, Pa.	Montoursville, J. M. Hayes & Co.	632	6.42	25.63	11.00
4263	----- Johnstown Dry Grains Co., Johnstown, Pa.	West Chester, E. D. Hemphill.	563	6.25	24.50	24.00
		Average, -----		6.33	25.07	-----
5111	----- J. C. Klauder Estate, Philadelphia, Pa.	Doylestown, H. S. Beidler,--	1411	5.76	27.38	23.24
4605	----- Pittsburg Brewing Co., Pittsburg, Pa.	Wilkesburg, Johnstown & Smith.	905	6.14	23.94	25.00
4609	----- Pittsburg Brewing Co., Pittsburg, Pa.	Wilkesburg, Jordan & Steenson.	909	7.83	23.19	25.00
		Average, -----		6.98	23.57	-----
3787	----- M. G. Rankin & Co., Milwaukee, Wis.	Susquehanna, Homer E. Spencer.	87	5.47	26.88	23.26
4154	----- Rudolph Steeher Brewing Co., St. Louis, Mo.	Manheim, B. R. Hollinger,--	454	6.74	22.63	24.00
4897	----- Stegmaier Brewing Co., Wilkes-Barre, Pa.	Wilkes-Barre, Kirkendall Son Co.	1197	4.07	29.06	23.70
4888	----- Stegmaier Brewing Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	1188	7.02	27.56	23.70
4900	----- Stegmaier Brewing Co., Wilkes-Barre, Pa.	Wilkes-Barre, Wilkes-Barre Milling Co.	1200	6.56	28.13	23.70
		Average, -----		5.88	28.25	-----
		Total average, -----		6.36	25.53	-----
	Malt Sprouts.					
4507	----- M. F. Baringer, Philadelphia, Pa.	Reading, W. T. Snyder,-----	807	8.81	25.94	22.00
5071	----- Geo. Bullen & Co., Chicago, Ill.	Erie, W. J. Carroll, -----	1371	6.31	25.50	20-25

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
8.05	-----	13.01	-----	\$25 00	-----	Distillers' grains from rye.	4108
9.20	7.00	12.55	-----	1 50	-----	Distillers' grains, largely from corn, containing rye distillers' grains, brewers' grains, malt sprouts and small amount of buckwheat.	3768
8.25	-----	17.75	-----	1 40	-----	Distillers' grains from rye.	4037
8.50	-----	14.43	-----	27 67			
7.68	7.00	16.14	13.00	1 45	Pure dried brewers' grains.	As certified, -----	3836
7.80	6.00	13.13	15.00	30 00	-----	Dried brewers' grains,--	3841
6.40	6.71	12.96	12.84	1 25	-----	Dried brewers' grains,--	3749
7.80	6.00	13.40	14.50	29 00	-----	Dried brewers' grains,--	4271
6.11	6.00	10.80	14.50	1 55	-----	Dried brewers' grains,--	4240
6.96	-----	12 10	-----	30 00			
8.38	6.71	14.72	24.00	28 00	Dried brewers' grains,--	As certified, -----	4332
7.43	6.71	15.48	11.00	26 00	-----	Dried brewers' grains,--	4263
7.91	-----	15.10	-----	27 00			
7.23	6.64	13.37	15.00	26 03	-----	Dried brewers' grains,--	5111
7.68	7.50	16.02	14.00	1 50	-----	Dried brewers' grains,--	4605
7.73	7.50	14.45	14.00	1 50	-----	Dried brewers' grains,--	4609
7.71	-----	15.23	-----	30 00			
7.50	6.00	14.05	16.00	30 00	-----	Dried brewers' grains,--	3787
6.38	7.00	14.45	15.00	28 00	-----	Dried brewers' grains,--	4154
7.68	6.30	13.30	16.25	1 20	-----	Dried brewers' grains,--	4897
7.00	6.30	13.10	16.25	24 00	-----	Dried brewers' grains,--	4888
7.35	6.30	12.92	16.25	1 15	-----	Dried brewers' grains,--	4900
7.34	-----	13.10	-----	23 67			
7.34	-----	13.88	-----	27 53			
2.53	5.00	11.30	15.00	1 35	-----	Malt sprouts, -----	4507
1.55	2.00	12.00	13-16	22 00	-----	Malt sprouts and considerable proportion of barley.	5071

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4487	Francis Duhne, Jr., Milwaukee, Wis.	Reading, Aug. C. Wertz & Bro.	787	Per ct. 7.80	Per ct. 28.28	Per ct. 25.00
5072	Marvel Flint Mill Co., Milwaukee, Wis.	Erie, W. J. Carroll, -----	1372	7.87	26.88	22-28
5069	John Kam Malting Co., Buffalo, N. Y.	Erie, W. J. Carroll, -----	1369	7.10	25.31	25.00
3904	Geo. J. Meyer Malting Co., Buffalo, N. Y.	Ridgway, C. O. Salberg, ---	204	9.72	25.56	20.82
3766	M. G. Rankin Co., Milwaukee, Wis.	Montrose, Brown & Fassett.	66	7.23	26.50	23.00
5063	North Star Choice, E. S. Woodworth & Co., Minneapolis, Minn.	Erie, A. P. Allen, -----	1363	7.84	23.88	20-25
	MAIZE BY-PRODUCTS.					
	Gluten Feed.					
		Average, -----		7.83	25.99	-----
5116	Royal, American Maize Products Co., New York, N. Y.	Doylestown, H. S. Beidler,--	1416	4.88	21.13	23-25
3875	Cream of Corn, American Maize Products Co., New York, N. Y.	Coudersport, Eulalia Milling Co.	175	8.15	24.63	23.25
4502	Cream of Corn, American Maize Products Co., New York, N. Y.	Reading, Reading Grain Co.	802	8.45	26.06	23-25
4471	Royal, American Maize Products Co., New York, N. Y.	Myerstown, S. T. Yost,----	771	8.10	22.00	23-25
		Average, -----		7.39	23.46	-----
4217	American Starch Co., Lititz, Pa.	York, F. Loucks & Son,----	517	7.52	20.31	21-23
4189	American Starch Co., Lititz, Pa.	Bird-in-hand, J. A. Umble & Bro.	489	5.17	18.81	21-23
		Average, -----		6.34	19.56	-----
5091	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	Pottstown, W. H. Moser,--	1391	7.09	21.69	20-25
4526	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	Fleetwood, Schaeffer, Wan-ner & Co.	826	8.70	20.69	20-25
5081	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	Pottstown, S. B. Wagner & Co.	1381	8.72	21.69	20-25
4157	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	Kinzer, E. E. & W. J. L. Walker.	457	10.10	22.06	20-25
		Average, -----		8.65	21.53	-----
4442	Buffalo, Corn Products Ref. Co., New York, N. Y.	Middletown, S. J. Baer, ---	742	9.03	25.06	24-27
4755	Buffalo, Corn Products Ref. Co., New York, N. Y.	Sunbury Blank & Gottshall.	1055	7.51	25.75	24-27
4472	Buffalo, Corn Products Ref. Co., New York, N. Y.	Myerstown, E. L. Bleistein.	772	8.42	23.13	23-25
3778	Buffalo, Corn Products Ref. Co., New York, N. Y.	Great Bend, Albert Bolt,---	78	10.18	24.60	24-27

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.05	Per ct. 2.00	Per ct. 12.30	Per ct. 11.00	\$25 00	-----	Malt sprouts, -----	4487
1.88	2.00	12.12	13.00	24 00	-----	Malt sprouts and small amount of barley and weed seeds.	5072
1.53	.75-1.50	14.32	16.00	24 00	-----	Malt sprouts, -----	5069
2.33	1.15	13.00	22.00	1 53	-----	Malt sprouts, -----	3904
2.13	1.50	12.47	17.00	1 40	-----	Malt sprouts, -----	3766
2.00	1-3	14.17	5-3)	24 00	-----	Malt sprouts and considerable proportion of barley and small amount of weed seeds.	5063
2.00	-----	12.71	-----	25 50	-----		
3.83	2.50	6.57	8.50	27 00	-----	Gluten feed, -----	5116
2.93	2.50	7.27	8.50	32 00	Artificially colored, -----	Gluten feed, colored,--	3875
2.63	2.50	6.62	8.50	1 50	-----	Gluten feed, -----	4572
4.30	2.50	6.45	8.50	1 50	-----	Gluten feed, -----	4471
3.42	-----	6.72	-----	29 75	-----		
6.90	5.00	6.48	6.00	1 70	-----	Gluten feed, -----	4217
6.78	5.00	6.82	6.00	31 00	-----	Gluten feed, -----	4189
6.84	-----	6.65	-----	32 50	-----		
5.43	3.00	7.27	7.50	1 50	-----	Gluten feed, -----	5091
6.33	3.00	6.10	8.00	29 00	-----	Gluten feed, -----	4526
4.70	3.00	7.15	8.00	27 00	-----	Gluten feed, -----	5081
3.70	3.00	6.53	7.50	1 75	-----	Gluten feed, -----	4157
5.04	-----	6.76	-----	30 25	-----		
3.85	2.50	7.52	8.50	30 60	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,--	4442
2.45	2.50	6.10	8.50	1 50	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,--	4755
5.40	2.50	5 92	8.50	29 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,--	4472
3.70	2.50	6.44	8.50	32 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,--	3778

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
3340	Buffalo, Corn Products Ref. Co., New York, N. Y.	Wellsboro, Geo. C. & F. A. Brooks.	140	8.01	28.06	24-27
5159	Buffalo, Corn Products Ref. Co., New York, N. Y.	Canonsburg, Canonsburg Milling Co.	1459	9.25	25.56	24-27
5060	Buffalo, Corn Products Ref. Co., New York, N. Y.	Union City, Daniel Clark & Co.	1360	8.41	26.88	24-27
3527	Buffalo, Corn Products Ref. Co., New York, N. Y.	Alba, S. S. Cosper, -----	127	10.30	23.81	24-27
3795	Buffalo, Corn Products Ref. Co., New York, N. Y.	Ulster, Crescent Roller Mill,	95	10.83	23.06	24-27
3791	Buffalo, Corn Products Ref. Co., New York, N. Y.	Towanda, Dayton Milling Co.	91	8.98	27.69	23-25
5048	Buffalo, Corn Products Ref. Co., New York, N. Y.	Corry, W. A. Dodd, -----	1348	7.69	22.81	24-27
3948	Buffalo, Corn Products Ref. Co., New York, N. Y.	Warren, T. N. Dunham, ---	248	11.38	22.19	24-27
5167	Buffalo, Corn Products Ref. Co., New York, N. Y.	Canonsburg, Dunlap Bros.,	1467	8.75	27.31	23-25
4123	Buffalo, Corn Products Ref. Co., New York, N. Y.	Lancaster, John W. Eshelman.	423	9.23	25.56	24-27
5178	Buffalo, Corn Products Ref. Co., New York, N. Y.	Carnegie, C. A. Foster, ---	1478	8.47	25.50	24-27
3719	Buffalo, Corn Products Ref. Co., New York, N. Y.	Homer City, A. George & Son.	19	12.42	24.63	24-27
4826	Crescent, Corn Products Ref. Co., New York, N. Y.	Danville, Haney-Frazier Milling Co.	1126	8.91	24.63	23-25
3760	Buffalo, Corn Products Ref. Co., New York, N. Y.	Montrose, J. C. Harrington.	60	10.24	24.13	24-27
4994	Buffalo, Corn Products Ref. Co., New York, N. Y.	Greenville, Hecker & Reed,	1294	8.04	22.69	24-27
4953	Buffalo, Corn Products Ref. Co., New York, N. Y.	Butler, H. J. Klingler & Co.	1253	8.73	23.31	24-27
3781	Buffalo, Corn Products Ref. Co., New York, N. Y.	Susquehanna, A. L. Langford.	81	9.82	23.88	24-27
4939	Buffalo, Corn Products Ref. Co., New York, N. Y.	Seranton, C. P. Matthews & Sons, Inc.	1239	7.84	26.19	24-27
4147	Buffalo, Corn Products Ref. Co., New York, N. Y.	Manheim, F. K. Nauman,--	447	7.62	21.81	-----
4520	Buffalo, Corn Products Ref. Co., New York, N. Y.	Mt. Penn, Nein Bros., ----	820	9.82	24.19	24-27
3725	Buffalo, Corn Products Ref. Co., New York, N. Y.	Indiana, J. L. Orr, -----	25	9.64	27.63	23-25
4429	Buffalo, Corn Products Ref. Co., New York, N. Y.	Harrisburg, Paxton Flour and Feed Co.	729	10.32	24.69	24-27
3938	Buffalo, Corn Products Ref. Co., New York, N. Y.	Bradford, Smith Bros., ----	238	10.30	24.06	25.00
4100	Buffalo, Corn Products Ref. Co., New York, N. Y.	New Brighton, M. H. Stager.	400	11.03	24.69	24-27

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.88	Per ct. 2.50	Per ct. 6.40	Per ct. 8.50	\$34 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	3840
3.70	2.50	6.18	8.50	26 50	-----	Gluten feed, -----	5159
3.85	2.50	6.32	8.50	1 40	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	5060
2.40	2.50	6.93	8.50	31 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	3827
2.85	2.50	6.64	8.50	33 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	3795
4.55	2.50	6.75	8.50	32 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	3791
4.20	2.50	6.35	8.50	30 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	5048
3.35	2.50	7.32	8.50	33 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	3948
3.50	2.50	6.80	8.50	27 00	-----	Gluten feed, -----	5167
3.90	2.50	6.73	8.50	32 00	Colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	4123
3.85	2.50	6.19	8.50	26 00	-----	Gluten feed, -----	5178
4.55	2.50	6.62	8.50	32 00	-----	Gluten feed, -----	3719
2.95	2.50	7.17	8.50	1 65	Made from corn, artificially colored with No. 85 Orange I, and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	4826
3.58	2.50	6.85	8.50	34 00	Colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	3760
4.40	2.50	6.30	8.50	1 40	Colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	4994
3.23	2.50	6.65	8.50	1 50	Colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	4953
3.05	2.50	6.84	8.50	1 60	Colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	3781
4.73	2.50	7.05	8.50	1 50	Colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	4939
6.53	-----	6.15	-----	32 00	-----	Gluten feed, -----	4147
4.13	2.50	6.37	8.50	1 50	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	4520
4.23	2.50	6.82	8.50	31 00	-----	Gluten feed, -----	3725
2.60	2.50	6.72	8.50	32 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	4429
2.95	2.50	6.86	8.50	32 00	-----	Gluten feed, -----	3908
3.05	2.50	7.13	8.50	1 50	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,---	4100

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4333	Buffalo, Corn Products Ref. Co., New York, N. Y.	Williamsport, Jacob Thomas.	633	Per ct. 8.20	Per ct. 26.31	Per ct. 24-27
4769	Buffalo, Corn Products Ref. Co., New York, N. Y.	Shamokin, J. R. Vought, ..	1069	8.45	26.63	24-27
4186	Buffalo, Corn Products Ref. Co., New York, N. Y.	Witmer, Joseph B. Weaver & Son.	486	8.91	26.44	24-27
3812	Buffalo, Corn Products Ref. Co., New York, N. Y.	Athens, J. J. Weller,	112	7.83	28.75	24-27
		Average, -----		9.20	25.05	-----
3837	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	Richland Center, S. S. Detweiler.	137	7.09	21.13	22.00
4248	Cedar Rapids, Douglas & Co., Cedar Rapids, Ia.	Parkesburg, E. H. Keen & Co.	548	6.04	20.81	22.00
		Average, -----		6.56	20.97	-----
4139	Conestoga Choice Yellow, Jonas F. Eby & Son, Lancaster, Pa.	Lititz, Elmer Eby, -----	489	7.27	23.06	24.00
5061	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Iowa.	Erie, A. P. Allen, -----	1361	5.01	23.13	23.00
4306	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Iowa.	Williamsport, F. W. Dawson & Son.	606	6.86	23.00	23.00
5149	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Iowa.	Washington, G. W. McBrier	1449	5.82	24.44	23.00
5006	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Iowa.	Sharpsville, J. H. Miller, ..	1306	6.06	23.75	23.00
4985	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Iowa.	Mercer, I. J. Pizor & Son, ..	1285	7.16	21.88	23.00
		Average, -----		6.18	23.24	-----
3724	"P. Bros.," Piel Bros. Starch Co., Indianapolis, Ind.	Indiana, J. L. Orr, -----	24	10.94	24.56	22.50
5087	"P. Bros.," Piel Bros. Starch Co., Indianapolis, Ind.	Pottstown, W. H. Saylor & Son.	1387	8.40	21.25	22.5-24.5
		Average, -----		9.67	22.91	-----
4185	----- S. F. Scattergood & Co., Philadelphia, Pa.	Christiana, B. Frank Walter.	485	7.66	23.06	-----
5076	"Union," Union Starch and Ref. Co., Edinburg, Ind.	Pottstown, A. K. Kulp, ---	1376	7.10	21.50	23-25
4425	"Union," C. W. Wagar & Co., Philadelphia, Pa.	Mechanicsburg, A. B. Harnish.	725	7.86	19.06	23-25
		Total average, -----		8.44	23.81	-----
Hominy Feed.						
3825	Homeo Feed, American Hominy Co., Indianapolis, Ind.	Alba, S. S. Cosper, -----	125	9.27	10.19	8.50
4810	Homeo Feed, American Hominy Co., Indianapolis, Ind.	Williamsport, F. W. Dawson & Son.	610	8.26	11.81	8.50
4699	Homeo Feed, American Hominy Co., Indianapolis, Ind.	Philipsburg, Feed Grain Co.	999	8.50	10.19	8.50

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.95	Per ct. 2.50	Per ct. 6.10	Per ct. 8.50	\$30 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,--	4333
2.50	2.50	6.25	8.50	1 50	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,--	4769
3.75	2.50	6.75	8.50	32 00	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,--	4186
4.60	2.50	6.65	8.50	1 60	Artificially colored with No. 85 Orange I and No. 4 Naphthol Yellow S.	Gluten feed, colored,--	3812
3.76	-----	6.62	-----	30 83			
6.80	4.00	6.01	8.00	31 00	-----	Gluten feed, -----	3837
5.73	4.00	7.37	8.00	31 00	-----	Gluten feed, -----	4248
6.27	-----	6.69	-----	31 00			
5.23	4.00	6.72	7.00	32 00	-----	Gluten feed, -----	4139
4.73	2.00	8.62	7.50	27 00	Artificially colored with Aniline.	Gluten feed, colored,--	5061
5.30	2.00	7.67	7.50	1 60	Artificially colored with Aniline.	Gluten feed, colored,--	4306
5.00	2.00	7.30	7.50	28 00	Artificially colored with Aniline.	Gluten feed, colored,--	5149
5.00	2.00	7.57	7.50	1 45	Artificially colored with Aniline.	Gluten feed, colored,--	5006
6.55	2.00	7.20	7.50	1 60	Artificially colored with Aniline.	Gluten feed, colored,--	4985
5.32	-----	7.67	-----	29 60			
2.40	2.00	4.97	8.00	34 00	-----	Gluten feed, -----	3724
3.50	2.50	6.62	8 00	1 40	-----	Gluten feed, -----	5087
2.95	-----	5.79	-----	31 00			
4.90	-----	7.00	-----	34 00	-----	Gluten feed, -----	4185
4.30	3.00	7.87	8.00	1 40	-----	Gluten feed, -----	5076
7.20	3.00	7.32	8.00	30 50	-----	Gluten feed, -----	4425
4.26	-----	6.75	-----	30 69			
9.25	7.00	4.27	7.00	30 00	-----	Hominy feed, -----	3825
7.95	7.00	5.10	7.00	1 40	-----	Hominy feed, -----	4310
5.13	7.00	4.47	7.00	-----	-----	Hominy feed, -----	4690

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
4991	Hominy Feed, American Hominy Co., Indianapolis, Ind.	Greenville, Hecker & Reed,	1291	Per et. 9.89	Per et. 10.19	-----
4175	Hominy Feed, American Hominy Co., Indianapolis, Ind.	Elizabethtown, E. H. Lehman.	475	8.66	12.06	8.50
4255	Hominy Feed, American Hominy Co., Indianapolis, Ind.	Mortonville, Monholland & Dale.	555	7.48	9.19	8.50
		Average, -----		8.67	10.61	-----
4636	Pure, M. F. Baringer, Philadelphia, Pa.	Altoona, Altoona Grain and Feed Co.	936	8.93	10.69	9.00
4477	----- M. F. Baringer, Philadelphia, Pa.	Myerstown, E. L. Bleistein,	777	10.11	10.75	9.00
4180	----- M. F. Baringer, Philadelphia, Pa.	Myerstown, Z. L. Gingrich,	780	10.27	10.25	9.00
4182	----- M. F. Baringer, Philadelphia, Pa.	Myerstown, Z. L. Gingrich,	782	9.95	9.69	9.00
4143	----- M. F. Baringer, Philadelphia, Pa.	Leamon Place, Harry K. Hershey.	443	11.21	10.13	9.00
4448	----- M. F. Baringer, Philadelphia, Pa.	Harrisburg, J. H. Sheesley,	748	10.14	9.25	9.00
4328	----- M. F. Baringer, Philadelphia, Pa.	Newberry, J. T. Stahlnecker.	628	9.49	10.25	9.00
4335	----- M. F. Baringer, Philadelphia, Pa.	Williamsport, Jacob Thomas.	635	11.16	10.25	9.00
4187	Pure, M. F. Baringer, Philadelphia, Pa.	Witmer, Joseph B. Weaver,	487	9.77	10.38	10.00
4467	----- M. F. Baringer, Philadelphia, Pa.	Myerstown, S. T. Yost,-----	767	10.48	10.63	9.00
		Average, -----		10.15	10.23	-----
4269	----- Buffalo Cereal Co., Buffalo, N. Y.	Kennett Square, W. H. Walker & Co.	569	10.47	9.63	10-11
4675	Ideal, Elevator Milling Co., Springfield, Ill.	Martinsburg, Klepser Bros.	975	8.46	10.75	11.02
4236	"Evans," Evans Milling Co., Indianapolis, Ind.	McVeytown, Wm. M. Atkinson.	586	9.94	10.56	10.00
4137	"Evans," Evans Milling Co., Indianapolis, Ind.	Lititz, Elmer Eby, -----	437	9.31	10.44	10.00
4249	"Evans," Evans Milling Co., Indianapolis, Ind.	Parkesburg, E. H. Keen & Co.	549	8.81	10.75	10.00
4789	"Evans," Evans Milling Co., Indianapolis, Ind.	Milton, C. H. McMahan,---	1089	8.01	10.81	10.00
4198	"Evans," Evans Milling Co., Indianapolis, Ind.	York, Miller Bros., -----	498	7.96	10.88	10.00
3759	"Evans," Evans Milling Co., Indianapolis, Ind.	Ulster, P. C. Pierce. -----	99	7.85	10.88	10.00
4221	"Evans," Evans Milling Co., Indianapolis, Ind.	York, H. H. Smyser, -----	521	9.36	11.13	10.00
4195	"Evans," Evans Milling Co., Indianapolis, Ind.	York, F. Z. Stouffer, -----	495	9.45	10.81	10.00
		Average, -----		8.83	10.78	-----
3893	----- Husted Milling Co., Buffalo, N. Y.	Monroeton, C. P. Matthews & Sons, Inc.	103	8.34	10.69	9-11
3818	----- Husted Milling Co., Buffalo, N. Y.	Troy, H. M. Spalding & Son.	118	9.07	9.75	9-11
		Average, -----		8.70	10.22	-----
4182	----- H. E. McEachron Co., Wausau, Wis.	Christiana, B. Frank Walter.	482	9.59	10.75	11.25

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.83	Per ct. -----	Per ct. 3.42	Per ct. -----	\$1 35	-----	Hominy feed, -----	4991
8.50	7.00	5.13	7.00	27 00	-----	Hominy feed, -----	4175
7.93	7.00	3.00	7.00	26 00	White corn product, ----	Hominy feed, -----	4255
8.60	-----	4.23	-----	27 60	-----	-----	-----
6.75	6.00	5.40	10.00	1 40	-----	Hominy feed, -----	4636
9.90	6.00	2.60	10.00	26 00	-----	Hominy feed, -----	4477
8.33	6.00	2.00	10 00	1 45	-----	Hominy feed, -----	4480
9.08	6.00	4.15	10.00	1 35	-----	Hominy feed, -----	4482
9.40	6.00	1.89	10.00	30 00	-----	Hominy feed, -----	4143
8.85	6.00	3.92	10.00	26 00	-----	Hominy feed, -----	4448
9.13	6.00	4.55	10.00	1 35	-----	Hominy feed, -----	4328
8.08	6.00	1.93	10.00	18 00	-----	Hominy feed, -----	4335
9.40	7.00	4.15	10.00	27 00	-----	Hominy feed, -----	4187
8.50	6.00	2.07	10.00	26 00	-----	Hominy feed, -----	4467
8.74	-----	3.26	-----	27 40	-----	-----	-----
7.03	7-9	3.12	3-4	27 00	-----	Hominy feed, -----	4269
9.20	7.70	4.90	-----	1 50	-----	Hominy feed, -----	4675
9.68	8.00	4.50	7.00	1 50	-----	Hominy feed, -----	4286
10.40	8.00	4.80	7.00	30 00	Manufactured from white corn.	Hominy feed, -----	4137
9.95	8.00	4.42	7.00	30 00	Manufactured from white corn.	Hominy feed, -----	4249
10.44	8.00	5.42	7.00	1 50	Manufactured from white corn.	Hominy feed, -----	4789
10.33	8.00	4.87	7.00	1 55	Manufactured from white corn.	Hominy feed, -----	4198
9.70	8.00	5.57	7.00	1 60	Manufactured from white corn.	Hominy feed, -----	3799
10.25	8.00	4.75	7.00	28 00	Manufactured from white corn.	Hominy feed, -----	4221
9.35	8.00	4.77	7.00	28 00	Manufactured from white corn.	Hominy feed, -----	4195
10.01	-----	4.89	-----	29 88	-----	-----	-----
9.78	7-9	4.95	3-5	1 40	-----	Hominy feed, -----	3813
9.75	7-9	4.67	3-5	1 60	-----	Hominy feed, -----	3818
9.77	-----	4.81	-----	30 00	-----	-----	-----
9.75	8.50	3.93	-----	32 00	-----	Hominy feed, -----	4182

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
4918	Choice Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Seranton, Miner-Hillard Milling Co.	1218	Per ct. 9.07	Per ct. 10.69	Per ct. 10-12	
4887	Choice Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	1187	10.21	10.81	10-12	
4354	Choice Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Allentown, H. N. Schleifer,	854	9.24	10.75	10-12	
		Average, -----		9.50	10.75	-----	
4676	Pure White, National Feed Co., St. Louis, Mo.	Martinsburg, Klepser Bros.,	976	9.27	11.25	8.50-10.50	
3772	----- The Patent Cereals Co., Geneva, N. Y.	New Milford, H. B. Carpenter & Co.	72	8.93	11.38	10-11	
4644	Yellow, The Quaker Oats Co., Chicago, Ill.	Altoona, Central Feed Co.,	944	8.88	10.31	9.00	
3994	Yellow, The Quaker Oats Co., Chicago, Ill.	Jeannette, Keystone Supply Co.	294	10.33	9.88	9.00	
5022	Yellow, The Quaker Oats Co., Chicago, Ill.	Oil City, The Magee Feed Co.	1322	10.35	9.56	9.00	
5198	Yellow, The Quaker Oats Co., Chicago, Ill.	Braddock, C. B. Marriott & Sons.	1498	10.81	9.50	9.00	
4584	Yellow, The Quaker Oats Co., Chicago, Ill.	Mt. Union, David Rummel,	884	8.51	10.88	9.00	
		Average, -----		9.77	10.03	-----	
4124	Logan, The Standard Cereal Co., Chillicothe, Ohio.	Laneaster, John W. Eshelman.	424	10.94	10.50	10.00	
4292	Logan, The Standard Cereal Co., Chillicothe, Ohio.	Lindsey, Lindsey Milling Co.	592	11.11	10.13	10.00	
4180	Logan, The Standard Cereal Co., Chillicothe, Ohio.	Elizabethtown, A. W. Martin.	480	10.12	10.00	10.00	
4468	Standeo, The Standard Cereal Co., Chillicothe, Ohio.	Myerstown, S. T. Yost, --	768	9.70	11.69	11.50	
		Average, -----		10.46	10.60	-----	
5117	Pure, C. W. Wagar & Co., Philadelphia, Pa.	Doylestown, H. S. Beidler,	1417	10.17	9.75	9-11	
5101	Pure, C. W. Wagar & Co., Philadelphia, Pa.	Chester, Chester Milling Co.	1401	9.61	10.50	8.00	
4261	Pure, C. W. Wagar & Co., Philadelphia, Pa.	West Chester, E. D. Hemp-hill.	561	8.71	10.00	8.00	
5075	Pure, C. W. Wagar & Co., Philadelphia, Pa.	Pottstown, A. K. Kulp,	1375	8.13	10.31	9-10	
4155	Pure, C. W. Wagar & Co., Philadelphia, Pa.	Kinzer, E. E. & W. J. L. Walker.	455	9.06	10.56	8.00	
		Average, -----		9.13	10.22	-----	
4148	"Keystone," Unknown, -----	Manheim, F. K. Nauman, --	448	10.41	11.81	-----	
		Total average, -----		9.46	10.49	-----	
	Flakeline.						
4884	Choice Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	1184	8.26	10.25	10-12	
	Maizeline.						
4257	----- C. W. Wagar & Co., Philadelphia, Pa.	West Chester, I. H. Bailey,	557	5.94	8.69	7.00	

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 9.00	Per ct. 7.50-9	Per ct. 4.65	Per ct. 3-5	\$27 00	-----	Hominy feed, -----	4918
8.55	7.50-9	4.35	3-5	28 00	-----	Hominy feed, -----	4887
9.50	7.50-9	3.95	3-5	1 50	-----	Hominy feed, -----	4554
9.02	-----	4.31	-----	28 33	-----	-----	-----
9.13	7-8.50	6.55	10.00	1 50	Made from pure corn, ---	Hominy feed, -----	4678
8.50	7-8	4.15	-----	1 55	-----	Hominy feed, -----	3772
8.23	4.00	3.65	4.00	1 80	-----	Hominy feed, -----	4644
8.93	4.00	3.67	4.00	30 00	-----	Hominy feed, -----	3994
6.80	4.00	3.52	4.00	1 25	-----	Hominy feed, -----	5022
5.15	4.00	2.42	4.00	1 75	-----	Hominy feed, -----	5198
8.13	4.00	3.65	4.00	1 60	-----	Hominy feed, -----	4584
7.25	-----	3.38	-----	31 60	-----	-----	-----
8.85	7.00	2.00	6.00	28 00	-----	Hominy feed, -----	4124
8.05	7.00	4.00	6.00	1 55	-----	Hominy feed, -----	4292
8.83	7.00	4.02	6.00	27 00	-----	Hominy feed, -----	4180
10.90	8.00	3.00	4.00	26 00	-----	Hominy feed, -----	4468
9.16	-----	3.25	-----	28 00	-----	-----	-----
7.08	6.5-9	3.60	7.00	26 00	Pure and unadulterated hominy feed.	As certified, -----	5117
7.15	6.00	3.77	10.00	1 50	-----	Hominy feed, -----	5101
7.45	6.00	4.10	10.00	26 00	-----	Hominy feed, -----	4261
8.45	6.50-9	4.18	7.00	1 40	Pure and unadulterated hominy feed.	As certified, -----	5075
8.58	6.00	3.90	10 00	1 50	-----	Hominy feed, -----	4155
7.74	-----	3.91	-----	28 00	-----	-----	-----
9.13	-----	3.45	-----	30 00	-----	Hominy feed, -----	4148
8.78	-----	3.98	-----	28 29	-----	-----	-----
9.35	7.50-9	8.57	6-9	30 00	-----	Flakeline, -----	4884
6.78	4.00	9.22	13.00	30 00	-----	Maizeline feed, -----	4257

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
5118	----- C. W. Wagar & Co., Philadelphia, Pa.	Doylestown, H. S. Beidler,.	1418	Per et. 6.70	Per et. 8.88	Per et. 7.00
5100	----- C. W. Wagar & Co., Philadelphia, Pa.	Chester, Chester Milling Co.	1400	6.59	8.13	7.00
4232	----- C. W. Wagar & Co., Philadelphia, Pa.	West Chester, E. D. Hempbill.	562	7.02	8.56	7.00
4273	----- C. W. Wagar & Co., Philadelphia, Pa.	West Chester, C. C. Hipple & Son.	573	7.16	8.31	7.00
5074	----- C. W. Wagar & Co., Philadelphia, Pa.	Pottstown, A. K. Kulp,....	1374	6.84	9.38	7.00
5094	----- C. W. Wagar & Co., Philadelphia, Pa.	Pottstown, W. H. Moser,...	1394	6.87	8.60	7.00
5082	----- C. W. Wagar & Co., Philadelphia, Pa.	Pottstown, S. B. Wagner & Co.	1382	6.67	8.63	7.00
		Average, -----		6.72	8.66	-----
	Corn Bran.					
4125	----- John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	425	11.42	7.94	7.00
3835	----- The Heffner Milling Co., Circleville, Ohio.	Richland Center, Allen K. Smith.	135	7.97	10.13	7.00
		Average, -----		9.69	9.04	-----
	WHEAT OFFALS.					
	Low Grade Flour.					
4522	Atlas Red Dog, Atlas Flour Mills, Milwaukee, Wis.	Kutztown, John A. Schwoyer.	822	9.66	19.91	18.00
4542	Badger Red Dog, Berger-Crittenden Milling Co., Milwaukee, Wis.	Allentown, Frank J. Erdman.	842	11.24	16.56	18.00
5032	Badger Red Dog, Berger-Crittenden Milling Co., Milwaukee, Wis.	Franklin, Johnson & Co.,	1332	11.35	16.75	16.75
4403	Badger Red Dog, Berger-Crittenden Milling Co., Milwaukee, Wis.	Newville, S. E. Shenk,	703	11.03	17.31	16.75
3958	Fancy White Shorts, Aug. J. Bulte Milling Co., Kansas City, Mo.	Ridgway, Smith Bros. Co.,	258	10.96	16.25	14.00
4658	Red Dog, George C. Christian, Minneapolis, Minn.	Altoona, E. D. Clark,	958	10.40	18.75	15.50
4901	Pure Wheat Feed Red Dog Flour, L. Christian & Co., Minneapolis, Minn.	Wilkes-Barre, Wilkes-Barre Milling Co.	1201	11.30	16.31	-----
4323	----- H. C. Cole Milling Co., Chester, Ill.	Williamsport, W. F. Coleman.	623	11.18	17.75	16.00
4916	Red Dog, Commander Mill Co., Minneapolis, Minn.	Nanticoke, Gibbs Milling Co.	1216	10.59	18.06	15.25
3912	Superior Red Dog, Eagle Roller Mill Co., New Ulm, Minn.	St. Marys, L. Ritter,	212	11.41	19.00	16.90
5036	Fancy White Middlings, Emblenton Milling Co., Ltd., Emblenton, Pa.	Emblenton, Emblenton Milling Co., Ltd.	1336	12.32	14.75	-----
4700	Red Dog, Globe Elevator Co., Buffalo, N. Y.	Phillipsburg, Feed Grain Co.	1000	10.90	18.06	14-16
4749	Red Dog, Globe Elevator Co., Buffalo, N. Y.	Wallaceton, E. K. Turner,	1019	10.33	17.06	14-16
4565	Pure Red Dog, Hubbard Milling Co., Mankato, Minn.	Allentown, John E. Schnon,	865	9.55	17.53	14.40

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
7.23	4.00	8.25	13.00	\$27 00	-----	Maizeline feed, -----	5118
7 13	4.00	10.10	13.00	30 00	-----	Maizeline feed, -----	5100
7 18	4.00	9.10	13.00	28 00	-----	Maizeline feed, -----	4262
6.45	4.00	9.47	13.00	30 00	-----	Maizeline feed, -----	4273
8 05	4.00	7.60	13 00	1 45	-----	Maizeline feed, -----	5074
7 35	4.00	8.50	13 00	1 40	-----	Maizeline feed, -----	5094
6 88	4.00	9.62	13.00	28 00	-----	Maizeline feed, -----	5082
7.13	-----	8.98	-----	28 75			
2.92	4.00	7.32	9.00	24 00	-----	Corn bran, -----	4125
8.65	5.00	12.05	15.00	1 45	-----	Corn bran, -----	3835
5.79	-----	9.68	-----	26 50			
6.03	5.00	3.05	3.50	1 70	Made from pure wheat and unadulterated.	As certified, -----	4522
3.78	4.00	1.97	2.50	1 70	Pure and unadulterated wheat product.	As certified, -----	4542
3.73	3.75	2.37	2.75	32 00	Pure and unadulterated wheat product.	As certified, -----	5032
4.08	3.75	2.12	2.75	31 00	Pure and unadulterated wheat product.	As certified, -----	4403
3.90	4.25	1.91	1.00	1 75	-----	Flour middlings, -----	3958
5 50	3.50	2.77	4.00	1 70	Pure wheat red dog flour,	As certified, -----	4658
3 20	-----	2.02	-----	1.75	Pure wheat feed, red dog flour.	As certified, -----	4901
4.48	4.50	3.50	5.00	1 60	Pure soft winter wheat,--	As certified, -----	4323
4.03	3.35	1.42	2.50	1 70	-----	Flour middlings, -----	4916
5.50	4.80	3.02	3.90	34 00	-----	Flour middlings, -----	3912
3 18	-----	1.52	-----	32 60	Pure and unadulterated wheat middlings.	As certified, -----	5036
4.83	3-5	3.42	3-4	1 80	Red dog flour, -----	As certified, -----	4700
4 90	3-5	4.12	3-4	35 00	-----	Flour middlings, -----	4749
4.98	3.20	3.72	2.30	1 80	Pure red dog, -----	As certified, -----	4565

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
4525	Wheat Middlings, Kutztown Roller Mills, Kutztown, Pa.	Kutztown, Kutztown Roller Mills.	825	Per ct. 10.24	Per ct. 13.29	-----
4726	Castle Roek Flour, C. Manegold Milling Co., Milwaukee, Wis.	Du Bois, A. T. Sprankle,--	1026	11.14	18.44	16.00
4871	Pure Red Dog, C. P. Matthews & Sons, Inc., Seranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	1171	10.74	18.69	15-16.75
5019	Hardenberghs Choiee, National Milling Co., Minneapolis, Minn.	Oil City, New Model Milling Co.	1319	10.95	17.44	16-18
4299	Hardenberghs, National Milling Co., Minneapolis, Minn.	Reynoldsville, Wallace & Stefl.	599	10.82	16.69	16-18
3921	XXX Comet, Northwestern Consolidated Milling Co., Minneapolis, Minn.	Kane, Swanson Groeery Co.	221	10.93	18.69	17.00
4739	Faney Spring Low Grade Northwestern Milling Co., Little Falls, Minn.	Clearfield, John W. Smith & Bro.	1039	9.16	18.69	15.70
4643	Bixota Red Dog, Red Wing Milling Co., Red Wing, Minn.	Altoona, Central Feed Co.,	943	9.95	18.63	18.00
4553	Pure Wheat Middlings, H. N. Schleifer, Allentown, Pa.	Allentown, H. N. Schleifer,	853	12.09	12.94	-----
3930	Low Grade, George Urban Milling Co., Buffalo, N. Y.	Bradford, L. A. Fiseher & Co.	230	10.55	19.13	-----
	Wheat Middlings.	Average, -----		10.78	17.36	-----
5163	Trojan, The Allen & Wheeler Co., Troy, Ohio.	Canonsburg, Canonsburg Milling Co.	1463	9.85	16.63	15.00
4378	A. B. C. Annan, Burg & Co., St. Louis, Mo.	Chambersburg, Diehl, Omwake & Diehl.	678	10.26	18.13	17.00
4852	Pure, Aqueduct Mills, Bloomsburg, Pa.	Catawissa, W. A. McCloughan.	1152	8.78	15.44	15.20
4383	Atlas Extra Flour, Atlas Flour Mills, Milwaukee, Wis.	Shippensburg, Allison & Fogelsonger.	683	9.14	17.44	16.00
4596	----- The Ansted & Burk Co., Springfield, Ohio.	Bedford, N. M. Diehl, -----	896	9.48	17.19	14.50-16.50
4965	Ballards Shipstuff, Ballard & Ballard Co., Louisville Ky.	Butler, B. F. Shannon & Co.	1265	9.21	16.88	15.69
3888	Banner Flour Middlings, Banner Milling Co., Buffalo, N. Y.	Port Allegany, Port Allegany Milling Co.	188	11.03	16.94	-----
4105	Fancy, Barber Milling Co., Minneapolis, Minn.	Monaca, Monaca Boiler Mills.	405	11.40	17.06	17.00
4327	Medium White, M. F. Baringer, Philadelphia, Pa.	Newberry, J. T. Stablnecker.	627	9.51	16.38	-----
4334	----- M. F. Baringer, Philadelphia, Pa.	Williamsport, J a e o b Thomas.	634	9.88	17.75	-----
4149	Pure, U. G. Barnitz, Barnitz, Pa.	Harrisburg, J. H. Sheasley,	749	11.58	13.44	-----
4382	Badger Flour Middlings, Berger-Crittenden Milling Co., Milwaukee, Wis.	Shippensburg, Allison & Fogelsonger.	682	11.37	17.81	17.00
4415	Badger Flour Middlings, Berger-Crittenden Milling Co., Milwaukee, Wis.	Mt. Holly Springs, Perry Harman.	715	10.82	17.81	17.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.48	-----	Per ct. 1.10	-----	\$1.65	Wheat middlings, -----	As certified, -----	4525
3.75	4.00	1.52	2.00	1 85	-----	Flour middlings, -----	4726
6.70	4-4.58	2.62	3.28-4	1 70	Pure red dog flour, -----	As certified, -----	4871
5.88	4.50- 5.50	3.87	-----	30 00	Pure and unadulterated wheat middlings.	As certified, -----	5019
4.09	4.50- 5.50	3.00	-----	1 60	Pure and unadulterated wheat middlings.	As certified, -----	4299
5.95	4.50	2.39	2.50	34 00	Red dog wheat flour, ----	As certified, -----	3921
4.63	3.50	2.05	-----	1.75	-----	Flour middlings, -----	4739
4.70	5.00	1.60	1.31	1 75	-----	Flour middlings, -----	4643
3.00	-----	1.57	-----	1 60	Pure wheat middlings, ---	As certified, -----	4553
5 30	-----	1.02	-----	33 00	-----	Flour middlings, -----	3930
4.53	-----	2.40	-----	33 71	-----	-----	-----
4.60	4.00	6.21	6.00	30 00	Pure wheat feed, -----	As certified, -----	5163
5.00	4.00	4.97	-----	1 45	Pure wheat middlings, ---	As certified, -----	4378
4.33	3.24	4.05	6-8	1 60	Pure wheat middlings, ---	As certified, -----	4852
5.45	5.00	7.57	8.00	29 00	Made from pure wheat and unadulterated.	As certified, -----	4383
5.03	4-5-50	6.30	4-7.50	30 00	-----	Wheat middlings, ---	4596
5.18	4.26	6.47	6.87	29 00	All wheat product, -----	As certified, -----	4965
5.95	-----	5.97	-----	1.60	Pure wheat, -----	As certified, -----	3888
5.00	5.00	4.49	6.00	30 00	Pure wheat middlings, --	As certified, -----	4105
4.80	-----	6.20	-----	1 45	-----	Wheat middlings, ---	4327
5.20	-----	4.80	-----	30 00	-----	Wheat middlings, ---	4334
3.08	-----	1.75	-----	1 65	Pure wheat middlings, ---	As certified, -----	4449
4.95	4.00	4.95	5.00	30 00	Pure and adulterated wheat product.	As certified, -----	4382
4.73	4.00	5.10	5.00	30 00	Pure and adulterated wheat product.	As certified, -----	4415

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
4400	Badger Standard, Berger-Crittenden Milling Co., Milwaukee, Wis.	Newville, S. E. Shenk,	700	Per ct. 9.91	Per ct. 17.50	Per ct. 16.50	
4418	Badger Flour Middlings, Berger-Crittenden Milling Co., Milwaukee, Wis.	Mt. Holly Springs, J. N. Weigel.	718	9.88	17.88	16.25	
4956	Pure, Bernet, Craft & Kauffman Milling Co., St. Louis, Mo.	Butler H. J. Klingler & Co.	1256	9.86	17.00	17.25	
3858	----- The Burkett Mills, Penn Yan, N. Y.	Westfield, J. Plank,	158	10.68	16.44	-----	
5025	Pure, Blaine, Mackey, Lee Co., North East, Pa.	Tionesta, Lanson Bros. ...	1325	11.77	16.81	15.00	
4765	----- Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	1065	10.93	16.50	14-16	
4816	----- Blank & Gottshall, Sunbury, Pa.	Selinsgrove, H. J. Doeblor,	1116	10.16	17.31	-----	
4806	----- Buffalo Flour Milling Co., Lewisburg, Pa.	Lewisburg Buffalo Flour Milling Co.	1106	9.33	17.50	-----	
4777	----- Buffalo Flour Milling Co., Lewisburg, Pa.	Milton, Thomas R. Hull,	1077	9.88	17.19	-----	
4819	Standard, Cannon Valley Milling Co., Minneapolis, Minn.	Selinsgrove, P. A. Herman,	1119	8.56	16.81	14-18	
3816	----- Cayuta Mills, Sayre, Pa.	Sayre, Cayuta Mills,	116	14.26	15.25	-----	
4462	Choice Flour Middlings, L. Christian & Co., Minneapolis, Minn.	Lebanon, A. M. Weltmer's Sons.	762	10.74	18.25	17.50	
4458	----- City Flouring Mills, Lebanon, Pa.	Lebanon, City Flouring Mills.	758	8.91	15.56	-----	
4459	----- City Flouring Mills, Lebanon, Pa.	Lebanon, City Flouring Mills.	759	10.91	14.63	-----	
4857	Claro, Claro Milling Co., Lakeville, Minn.	Berwick, H. L. Garrison & Bro.	1157	8.68	17.94	15-18	
3774	Claro, Claro Milling Co., Lakeville, Minn.	New Milford, John J. Potter.	74	10.84	17.94	14-17	
4031	Choice, The Colton Bros. Co., Bellefontaine, Ohio.	McKeesport, A. Davison, ..	331	10.77	17.25	-----	
4353	Choice, The Colton Bros. Co., Bellefontaine, Ohio.	Bellefonte, C. Y. Wagner, ..	653	11.76	17.44	-----	
4718	Commander Flour, Commander Mill Co., Minneapolis, Minn.	Munson Station, Jacob Smutzinger.	1018	10.13	18.63	15.00	
4088	Choice Fine, The Commercial Milling Co., Cleveland, Ohio.	Manorville, Gruskin Bros.,	388	12.42	17.94	15-19	
5044	Choice Fine, The Commercial Milling Co., Cleveland, Ohio.	Titusville, Titusville City Mills.	1344	12.20	17.31	-----	
4359	----- Coppes, Zook & Mutschler Co., Nappanee, Ind.	Gettysburg, C. M. Wolf, Jr.	659	10.32	17.94	17.20	
4389	Fine, Cream City Milling Co., Milwaukee, Wis.	Scotland, M. Iekes,	689	10.16	17.81	16.50	
4376	Fine, Cream City Milling Co., Milwaukee, Wis.	Chambersburg, George Walker.	676	9.84	19.31	16.59	
4720	Standard, William G. Crocker, Minneapolis, Minn.	Munson Station, Jacob Smutzinger.	1020	10.28	18.31	15.00	
4326	Flour, William G. Crocker, Minneapolis, Minn.	Newberry, J. F. Stahlnecker	626	10.15	18.50	17.00	
4912	----- Crosby Roller Milling Co., Topeka, Kansas.	Nanticoke, Bergin & Co.,---	1212	10.48	17.88	15.00	
5068	Fancy, Crouck Bros. Co., Erie, Pa.	Oil City, Clyde D. Duffee, ..	1308	10.49	16.00	14.00	

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.15	Per ct. 4.00	Per ct. 8.07	Per ct. 8.50	\$28 00	Pure and adulterated wheat product.	As certified, -----	44 0
5.70	4.00	8.12	9.18	1 35	Pure and unadulterated wheat product.	As certified, -----	4418
4.55	4.95	4.00	-----	1 60	Made from pure wheat,--	As certified, -----	4956
6.05	-----	5.41	-----	1 55	Pure and unadulterated wheat middlings.	As certified, -----	3858
4.83	5.00	4.37	-----	1 60	Pure wheat middlings, ---	As certified, -----	5025
4.90	4.50-5	4.85	4-4.50	1 45	Wheat middlings, -----	As certified, -----	4765
4.80	-----	5.77	-----	1 60	Wheat middlings, -----	As certified, -----	4816
5.00	-----	6.92	-----	28 00	Wheat middlings, -----	As certified, -----	4836
4.78	-----	6.45	-----	1.60	-----	Wheat middlings, -----	4777
6.00	4-6	7.25	8.00	1 40	Pure hard wheat middlings.	As certified, -----	4819
5.10	-----	5.58	-----	31 00	-----	Wheat middlings, ---	48 6
5.40	5.15	4.60	5.60	30 00	Pure wheat middlings.	As certified, -----	4462
4.83	-----	9.25	-----	27 00	Wheat shorts, -----	As certified, -----	4458
3.63	-----	2.92	-----	28 00	Wheat middlings, -----	As certified, -----	4459
5.90	3-6	7.10	6-8	28 00	-----	Wheat middlings, ---	4857
6.05	3-5	6.90	-----	1 50	-----	Wheat middlings, ---	3774
4.55	-----	5.17	-----	32 00	From winter wheat, ground screenings included.	Wheat middlings and trace of screenings.	4031
4.53	-----	4.95	-----	31 00	From winter wheat, -----	As certified, -----	4353
6.23	4.50	5.00	5.00	32 00	Pure middlings, -----	As certified, -----	4718
4.85	5-7	3.50	-----	1 50	Pure wheat and screenings.	Wheat middlings and trace of screenings.	4038
4 00	-----	3.97	-----	50 00	Natural run of wheat,---	As certified, -----	5044
5.88	4.70	5.97	5.50	1 50	Pure wheat middlings, --	As certified, -----	4350
5.98	5.50	9.90	8 00	26 00	-----	Wheat middlings, ---	4389
5.80	5.50	7.55	8.00	1 40	-----	Wheat middlings, ---	4376
5.65	4.00	7.72	8.00	20 00	Pure hard wheat middlings.	As certified, -----	4720
6.13	5.00	6.65	8.00	1 45	-----	Wheat middlings, ---	4326
4.58	4.00	4.07	1.00	1 55	Wheat Middlings, -----	As certified, -----	4912
3.90	3.50	3.50	2.12	33 00	Wheat Middlings, -----	As certified, -----	50 8

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4337	Fancy, Crouch Bros. Co., Erie, Pa.	Lock Haven, F. H. Dyer,.	637	Per ct. 10.90	Per ct. 15.00	Per ct. 14.00
4834	----- Danville Milling Co., Danville, Pa.	Danville, Danville Milling Co.	1134	10.86	16.00	-----
3794	----- Dayton Milling Co., Towanda, Pa.	Towanda, Dayton Milling Co.	94	10.27	16.56	-----
4616	----- Delp, Ettinger & Co., Bourbon, Ind.	Altoona, J. B. Forsht, ---	916	9.24	17.38	-----
4312	"S," Duluth-Superior Milling Co., Duluth, Minn.	Williamsport, F. W. Dawson & Son.	612	9.61	18.25	16-25
4810	----- Duluth-Superior Milling Co., Duluth, Minn.	Mifflinburg, T. E. Spiegel-meyer.	1110	9.30	17.19	16.15
4770	"S," Duluth-Superior Milling Co., Duluth, Minn.	Shamokin, J. R. Vought,--	1070	9.65	18.00	16.25
4864	----- Duncannon Flouring Mill Co., Duncannon, Pa.	Duncannon, Duncannon Flouring Mills Co.	1164	11.85	15.19	-----
4135	----- Jonas F. Eby & Son, Lancaster, Pa.	Lititz, Aaron G. Hershey,--	435	11.43	17.50	-----
3989	----- B. A. Eckhart Milling Co., Chicago, Ill.	Irwin, Irwin Flour Mill Co.,	289	9.47	17.63	15.00
4172	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	Elizabethtown, E. H. Lehman.	472	9.79	17.13	15.00
4218	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	York, F. Loueks & Son,---	518	9.58	17.38	15.00
4177	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	Elizabethtown, A. W. Martin.	477	10.40	17.19	15.00
4149	Pure, Eckhart & Swan Milling Co., Chicago, Ill.	Manheim, F. K. Nauman,--	449	9.61	17.06	-----
4276	----- Elder & Eckbert, Lewistown, Pa.	Lewistown, Elder & Eckbert	576	9.64	18.44	-----
3863	----- Elkland Roller Mills, Elkland, Pa.	Elkland, Elkland Roller Mills.	163	10.19	19.06	-----
4126	Eclipse White, Elysian Milling Co., Elysian, Minn.	Lancaster, Fred. Pontz,----	426	11.29	18.06	17.30
4127	Eclipse Standard, Elysian Milling Co., Elysian, Minn.	Lancaster, Fred. Pontz,----	427	10.76	18.63	15.20
3895	----- Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	195	10.47	18.06	15.00
3878	----- Eulalia Milling Co., Coudersport, Pa.	Coudersport, Eulalia Milling Co.	178	10.04	17.81	-----
3728	Eaco Winged Horse, Everett-Aughenbaugh & Co., Waseca, Minn.	Indiana, J. L. Orr, -----	28	9.56	17.94	15-19
4144	Winter, Excelsior Roller Mills, Avondale, Pa.	Leaman Place, Harry K. Hershey.	444	9.91	15.63	-----
4797	----- H. L. Follmer, Wat-sontown, Pa.	Watsonstown, H. L. Follmer.	1097	9.65	17.50	-----
3901	----- Gamble, Gheen & Co., Bellefonte, Pa.	Emporium, E. J. Smith,---	201	12.21	16.25	-----
4631	Snowball Flour, The Gardner Mills, Hastings, Minn.	Altoona, Altoona Feed Mills.	931	11.04	18.06	16.50
4634	Snowball Flour, The Gardner Mills, Hastings, Minn.	Altoona, Altoona Grain and Feed Co.	934	9.95	18.25	16.50
4314	Snowball Flour, The Gardner Mills, Hastings, Minn.	Williamsport, M. E. Donnell & Co.	614	9.52	18.06	16.50
3740	Standard, The Gardner Mills, Hastings, Minn.	Carrolltown, W. A. Eckenrode.	40	11.34	17.19	15.80
4737	Snowball Flour, The Gardner Mills, Hastings, Minn.	Du Bois, S. A. Eisenman,--	1037	10.23	18.00	16.50
4504	Snowball Flour, The Gardner Mills, Hastings, Minn.	Reading, Reading Grain Co.	804	10.18	18.13	16.50
4509	Snowball Flour, The Gardner Mills, Hastings, Minn.	Reading, W. T. Snyder, --	809	11.27	17.88	16.50
4701	----- Globe Elevator Co., Buffalo, N. Y.	Philipsburg, Feed Grain Co.	1001	10.60	18.06	13-15
4750	Fancy White, Globe Elevator Co., Buffalo, N. Y.	Wallacetown, E. R. Turner,	1050	9.71	16.81	13-15

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.15	Per ct. 3.50	Per ct. 1.80	Per ct. 2.12	\$1 70	Pure wheat middlings, ---	As certified, -----	4337
4.23	-----	4.85	-----	30 00	Wheat middlings, -----	Wheat middlings and trace of corn cockle.	4834
5.68	-----	4.96	-----	32 00	-----	Wheat middlings, ---	3794
4.93	-----	5.15	-----	30 00	Pure wheat middlings, ---	As certified, -----	4616
5.70	5.00	6.77	8.00	1 35	Pure wheat middlings, ---	As certified, -----	4312
5.70	5.00	7.42	8.00	1 50	Pure wheat middlings, ---	As certified, -----	4810
5.53	5.00	7.82	8.00	1 40	Wheat middlings, -----	As certified, -----	4770
4.03	-----	3.15	-----	31 00	Wheat middlings, -----	As certified, -----	4864
6.30	-----	5.90	-----	29 00	Pure wheat middlings, ---	As certified, -----	4135
5.30	4.00	7.17	6.00	29 00	Pure wheat middlings, ---	Wheat middlings, in- cluding weed seeds.	3989
5 05	4.00	6.73	6.00	26 00	Pure wheat middlings, ---	As certified, -----	4172
5.30	4 00	6.85	6.00	1 35	Pure wheat middlings, ---	As certified, -----	4218
5.20	4 00	7.08	6 00	26 00	Pure wheat middlings, ---	As certified, -----	4177
4.88	-----	6.67	-----	28 00	Pure wheat middlings, ---	As certified, -----	4149
5.83	-----	3.90	-----	1 60	Wheat middlings, -----	As certified, -----	4276
6 13	-----	3.91	-----	30 00	Pure wheat middlings, ---	As certified, -----	3863
6.30	4.30	4.35	7.20	29 00	Pure wheat eclipse mid- dlings.	As certified, -----	4126
6.30	4.40	6.01	7.40	27 50	Pure wheat eclipse stand- ard middlings.	Wheat middlings and trace of corn cockle.	4127
5.48	3.00	5.15	-----	33 00	Wheat middlings, -----	As certified, -----	3895
6.00	-----	5.25	-----	32 00	Wheat middlings, -----	As certified, -----	3878
6.13	3-6	7.72	6-9	32 00	-----	Wheat middlings, ---	3728
5.78	-----	3.92	-----	32 00	Pure and unadulterated,	As certified, -----	4144
5.55	-----	4.77	-----	1 50	Wheat middlings, -----	As certified, -----	4797
4.83	-----	4.95	-----	1 65	Pure wheat middlings, ---	As certified, -----	3901
4.80	4.70	5.50	-----	1 60	Wheat middlings, -----	As certified, -----	4631
5.33	4.70	6.20	-----	1 50	Wheat middlings, -----	Wheat middlings and trace of weed seeds.	4634
5.53	4.70	6.87	-----	1 50	Wheat middlings, -----	As certified, -----	4314
4.75	4.50	7.10	-----	1 60	Wheat middlings, -----	As certified, -----	3740
5.40	4.70	6.17	-----	1.50	Wheat middlings, -----	As certified, -----	4737
5.48	4.70	6.50	-----	1 50	Wheat middlings, -----	Wheat middlings and considerable propor- tion of weed seeds.	4504
4.88	4.70	5.72	-----	1 60	Wheat middlings, -----	Wheat middlings and trace of weed seeds.	4509
5.30	4-5	5.65	8-9	1 70	Wheat flour middlings, ---	As certified, -----	4701
5.15	4-5	5.22	8.9	32 00	Wheat middlings, -----	As certified, -----	4750

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
5173	Brown, Goshen Milling Co., Goshen, Ind.	Carnegie, C. A. Foster, ---	1473	Per ct. 11.62	Per ct. 15.50	Per ct. -----
5122	----- Goshen Milling Co., Goshen, Ind.	Windber, Weaver & Berkey,	1422	10.64	15.88	-----
4041	Gwinn's Pure, The Gwinn Milling Co., Columbus, Ohio.	Belle Vernon, Reichard Bros.	341	9.10	18.19	17.00
4078	----- Hagey Bros., Martinsburg, Pa.	Martinsburg, Hagey Bros.,	978	11.06	15.31	-----
4328	----- Haney-Frazier Milling Co., Danville, Pa.	Danville, Haney-Frazier Milling Co.	1128	10.45	16.38	-----
4351	----- Haney-Frazier Milling Co., Danville, Pa.	Catawissa, W. A. McCloughan.	1151	9.36	16.56	-----
3986	----- Hardman & Heck, Pittsburg, Pa.	Irwin, Taylor Kunkle, ---	286	9.23	17.31	15-19
3963	----- Hardman & Heck, Pittsburg, Pa.	Derry, J. O. Nicely, -----	263	9.64	17.50	15-19
4983	----- Harmony Cereal Co., Harmony, Pa.	Harmony, Harmony Cereal Co.	1283	11.35	16.81	-----
4380	----- The Hicks Brown Milling Co., Mansfield, Ohio.	Chambersburg, Diehl, Umwake & Diehl.	680	10.29	16.25	16.88
4610	----- The Hicks Brown Milling Co., Mansfield, Ohio.	Wilkinsburg, Jordan & Steenson.	910	8.89	17.69	16.88
4446	----- John Hoffer Flouring Mill Co., Steelton, Pa.	Steelton, John Hoffer Flouring Mill Co.	746	8.55	17.50	-----
4447	----- John Hoffer Flouring Mill Co., Steelton, Pa.	Steelton, John Hoffer Flouring Mill Co.	747	9.67	15.94	-----
4406	Pure, John Hoffer Flouring Mill Co., Steelton, Pa.	Carlisle, Paxton Flour and Feed Co.	706	9.68	16.06	-----
4093	----- J. H. Hornby & Sons, New Brighton, Pa.	New Brighton, J. H. Hornby & Sons.	393	10.58	17.75	-----
3788	Ivory, Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.	Susquehanna, Homer E. Spencer.	88	9.77	15.88	14.5-17
4354	Ivory, Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.	Bellefonte, C. Y. Wagner.	654	11.27	19.88	14.5-17
4559	----- George A. Keck & Co., Allentown, Pa.	Allentown, Edwin S. Koch.	859	11.85	14.63	-----
3871	----- The Wm. Kelly Milling Co., Hutchinson, Kansas.	Knoxville, Deerfield Milling Co.	171	9.63	19.25	17.00
3892	----- The Wm. Kelly Milling Co., Hutchinson, Kansas.	Port Allegany, C. O. Neptune.	192	10.32	19.13	17.00
4158	Carnation, Kemper Mill and Elevator Co., Kansas City, Mo.	Kinzer, E. E. & W. J. L. Walker.	458	9.78	17.50	16.00
5195	Eagle, J. B. A. Kern & Sons, Milwaukee, Wis.	Braddock, A. Hecht, -----	1495	9.12	18.25	17.00
5196	Flour, J. B. A. Kern & Sons, Milwaukee, Wis.	Braddock, A. Hecht, -----	1496	9.44	18.00	17.50
4673	----- Klepser Bros., Martinsburg, Pa.	Martinsburg, Klepser Bros.,	973	9.95	16.75	-----
4463	----- Lebanon Milling Co., Lebanon, Pa.	Lebanon, Lebanon Milling Co.	763	10.97	17.31	-----
4069	----- Leechburg Flouring Mill, Leechburg, Pa.	Leechburg, Leechburg Flouring Mill.	369	10.61	15.25	-----
4349	----- The Lee-Warren Milling Co., Salina, Kansas.	Renovo, A. P. Pfoutz, ---	649	9.37	19.69	16.00
4085	----- C. E. Lingafelt, Hollidaysburg, Pa.	Hollidaysburg, C. E. Lingafelt.	985	9.90	16.44	-----
4324	Spring Wheat Standard, Listman Mill Co., La Crosse, Wis.	Williamsport, D. Plankenhorn.	624	9.41	19.00	15.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$28 00	-----	Wheat middlings, ----	5173
4.53	-----	5.14	-----	29 00	Wheat middlings, -----	As certified, -----	5122
4.30	-----	10.35	-----	1 60	Pure wheat middlings, ---	As certified, -----	4041
4.95	4.60	4.97	6.00	1 60	Wheat middlings, -----	As certified, -----	4678
3.53	-----	2.82	-----	1 50	Wheat middlings, -----	As certified, -----	4828
4.48	-----	4.07	-----	1 60	Wheat middlings, -----	As certified, -----	4851
4.75	-----	4.47	-----	1 45	Pure wheat middlings, ---	Wheat middlings, including weal seeds.	3986
5.25	4-6	7.10	-----	1 70	Pure wheat middlings, ---	Wheat middlings, including weal seeds.	3963
5.13	4-6	7.29	-----	1 40	Wheat middlings, -----	As certified, -----	4983
5.25	-----	4.95	-----	28 00	Pure wheat product, ----	As certified, -----	4380
4.65	4.98	6.42	6.00	1 60	Pure wheat product, ----	As certified, -----	4610
5.00	4.98	6.00	6.00	24 00	Pure wheat shorts, -----	As certified, -----	4446
6.03	-----	6.27	-----	29 00	Pure wheat middlings, ---	As certified, -----	4447
3.90	-----	2.62	-----	1 60	Pure wheat middlings, ---	As certified, -----	4406
4.38	-----	3.20	-----	1 50	Fresh ground middlings,--	As certified, -----	4093
5.50	-----	4.55	-----	33 00	Pure winter wheat product.	As certified, -----	3788
3.68	3.50-5	2.32	-----	31 00	Pure winter wheat product.	As certified, -----	4354
6.00	3.50-5	4.40	-----	1 65	Wheat middlings, -----	As certified, -----	4559
3.83	-----	2.65	-----	30 00	-----	Wheat middlings, ----	387
6.00	5.00	4.87	-----	1 65	-----	Wheat middlings, ----	7392
6.18	5.00	5.04	-----	1 60	Made from pure wheat, --	As certified, -----	4158
5.08	4.30	5.35	6.00	1 50	Pure wheat product, ----	As certified, -----	5195
6.10	4.75	8.18	6.36	1 60	Pure eagle flour middlings,	As certified, -----	5196
5.20	5.00	4.93	5.04	1 60	Wheat middlings, -----	As certified, -----	4673
4.70	-----	3.30	-----	29 00	Wheat middlings, -----	As certified, -----	4463
4.65	-----	4.10	-----	1 60	Pure wheat middlings, ---	As certified, -----	4069
4.40	-----	3.16	-----	1 75	Pure winter wheat middlings.	As certified, -----	4349
5.10	4.00	5.90	-----	1 70	Wheat middlings, -----	As certified, -----	4685
3.78	-----	3.02	-----	1 50	Pure spring wheat standard middlings.	As certified, -----	4324
6.60	4.00	8.25	8.00				

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
3723	Elmeo Standard, Listman Mill Co., La Crosse, Wis.	Indiana, James St. Clair,--	23	Per ct. 11.10	Per et. 18.63	Per et. 17.45
4602	----- H. H. Lysinger, Bedford, Pa.	Bedford, H. H. Lysinger,--	902	11.40	17.44	-----
4290	----- Manbeck & Nelson, Mifflin, Pa.	Mifflin, Manbeck & Nelson,--	590	10.88	15.25	-----
3806	----- C. P. Matthews & Sons, Inc., Monroeton, Pa.	Monroeton, C. P. Matthews & Sons, Inc.	106	11.86	14.25	-----
4872	Pure Standard Brown, C. P. Matthews & Sons, Inc., Monroeton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	1172	9.81	18.31	14-16
5192	----- J. & C. McCune, Pittsburg, Pa.	Braddock, George Moore,--	1492	10.62	15.94	-----
4926	----- Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Seranton, Miner-Hillard Milling Co.	1226	8.95	16.44	-----
4162	Pure, Mountain City Mills, Frederick, Md.	Columbia, P. G. Brenne- man.	462	9.95	18.88	-----
4206	----- The National Milling Co., Toledo, Ohio.	York, Mitzel & Sloat, -----	506	9.53	17.56	-----
4433	Seal of Minnesota Standard, New Prague Flouring Mill Co., New Prague, Minn.	Harrisburg, Mock & Hart- man.	733	9.44	19.13	17.00
4668	Seal of Minnesota Standard, New Prague Flouring Mill Co., New Prague, Minn.	Altoona, R. F. Notley, ----	968	10.13	18.69	17.00
4397	Northland, Northland Milling Co., Larimore, N. Dakota.	Newville, H. Manning & Son.	697	10.45	17.38	14.67
4782	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Milton, E. Datesman, -----	1082	8.85	16.19	15.00
3940	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Bradford, C. L. Douglass,--	240	9.83	16.38	15.75
3931	----- The Northwestern, Consolidated Milling Co., Minneapolis, Minn.	Bradford, L. A. Fischer & Co.	231	10.10	16.75	15.75
3782	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Susquehanna, A. L. Lang- ford.	82	9.75	19.00	16.25
3887	Flour, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Port Allegany, Port Alle- gany Milling Co.	187	11.32	18.56	16.25
5132	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Somerset, Saylor & Woy, --	1432	9.45	15.56	15.00
3755	----- The Northwestern Elevator and Mill Co., Toledo, Ohio.	Johnstown, G. Bostert & Son.	55	10.50	17.44	15-17
4366	Orleans Flour, Northwestern Feed Co., Minneapolis, Minn.	Waynesboro, J. M. New- comer & Co.	666	12.24	18.25	14.00
4253	----- Pennock & Brosius, Avondale, Pa.	Downingtown, E. Vinton Phillips.	553	11.07	15.00	-----
4793	Pure, S. F. Phillips & Son, Milton, Pa.	Milton, S. F. Phillips & Son.	1093	10.58	16.50	-----
4441	----- Pillsbury Flour Mills, Minneapolis, Minn.	Middletown, S. J. Baer,----	741	9.81	17.50	15.00
4085	----- Pillsbury Flour Mills, Minneapolis, Minn.	Kittanning, J. A. Gault & Co.	385	9.58	17.25	15.00
3985	----- Pillsbury Flour Mills, Minneapolis, Minn.	Irwin, Taylor Kunkle, ----	285	11.06	17.06	15.00
4404	B, Pillsbury Flour Mills, Minneapolis, Minn.	Carlisle, Paxton Flour and Feed Co.	704	9.17	15.31	13.00
3801	B, Pillsbury Flour Mills, Minneapolis, Minn.	Ulster, P. C. Pierce, -----	161	9.02	18.56	15.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.85	Per ct. 5.06	Per ct. 6.55	Per ct. 7.27	\$1 60	Pure and unadulterated wheat middlings.	As certified, -----	3723
4.75	-----	3.70	-----	1 60	Wheat middlings, -----	As certified, -----	4602
3.25	-----	2.55	-----	1 55	Wheat middlings, -----	As certified, -----	4290
4.15	-----	4.57	-----	1 55	Wheat middlings, -----	As certified, -----	3806
5.35	4-5	7.32	8-9	1 45	Pure standard brown middlings.	As certified, -----	4872
5.65	-----	7.67	-----	1 80	Wheat middlings. -----	As certified, -----	5192
4.63	-----	5.52	-----	30 00	Pure wheat middlings, ---	As certified, -----	4926
6.10	-----	5.55	-----	30 00	Pure wheat middlings, ---	As certified, -----	4102
6.65	-----	6.50	-----	28 00	Pure wheat middlings, ---	As certified, -----	4206
6.75	5.07	6.76	6.05	25 00	Pure and unadulterated wheat middlings.	As certified, -----	4433
6.45	5.07	6.57	8.05	1 60	Pure and unadulterated middlings.	As certified, -----	4668
5.53	4.21	4.77	9.35	27 00	Unadulterated wheat middlings.	As certified, -----	4397
6.05	4.50	10.80	10 00	1 50	Pure wheat middlings, ---	Wheat middlings and a considerable proportion of weed seeds.	4782
5.85	5.25	10.85	10.00	29 00	Pure wheat middlings, ---	As certified, -----	3940
6.40	5.25	9.57	10.00	28 00	Pure wheat middlings, ---	As certified, -----	3931
6.18	5.25	5.87	5.50	1 60	Pure wheat flour middlings.	As certified, -----	3782
5.75	5.25	4.73	5.50	1 65	Pure wheat middlings, ---	As certified, -----	3887
5.80	4.50	10.35	10.00	1 50	Pure wheat middlings, ---	As certified, -----	5132
4.95	4-6	6.37	5-6	30 00	Pure wheat product, ----	As certified, -----	3755
4.65	3.00	4.30	9.00	1 50	Pure wheat product, ----	As certified, -----	4366
4.88	-----	3.82	-----	33 00	Pure wheat middlings, ---	As certified, -----	4253
4.40	-----	4.15	-----	1 50	Wheat middlings, -----	As certified, -----	4793
5.70	4.50	8.60	8.00	25 00	Pure and unadulterated wheat middlings.	As certified, -----	4441
6.28	4.50	9.18	8.00	1 40	Pure and unadulterated wheat middlings.	As certified, -----	4085
5.58	4.50	8.75	8.00	1 45	Pure and unadulterated wheat middlings.	As certified, -----	3985
5.58	4.50	11.27	9.00	1 30	Pure and unadulterated wheat.	As certified, -----	4404
5.83	4.50	7.96	8.00	1 45	Pure and unadulterated wheat middlings.	As certified, -----	8801

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
4686	----- Pillsbury Flour Mills, Minneapolis, Minn.	Holidaysburg, Thermie Coal and Supply Co.	986	Per ct. 10.56	Per ct. 18.00	Per et. 15.00	
4603	Pure, The Piqua Milling Co., Piqua, Ohio.	Wilkinsburg, Johnston & Smith.	903	9.55	17.63	16.00	
5184	Pure, The Piqua Milling Co., Piqua, Ohio.	Wilmerding, Routh & Co.,	1484	10.77	17.25	16.00	
4961	"P," George P. Plant Milling Co., St. Louis, Mo.	Butler, B. F. Shannon & Co.	1261	9.86	17.75	17.11	
3709	Napoleon Standard, Prudential Milling Co., Minneapolis, Minn.	Saltsburg, G. W. Martin & Co.	9	10.43	19.57	15.00	
4818	Napoleon Standard, Prudential Milling Co., Minneapolis, Minn.	Selinsgrove, George C. Wagonseller & Son.	1118	9.41	17.06	15.00	
4110	----- George W. Pusey, Ashland, Del.	Lancaster, Nein & Fisher,	410	11.42	16.25	-----	
4212	Bixota Flour, Red Wing Milling Co., Red Wing, Minn.	York, Jacob Eyster. -----	512	10.13	19.25	16.00	
4399	Bixota Flour, Red Wing, Milling Co., Red Wing, Minn.	Newville, S. E. Shenk, ----	699	10.39	19.06	18.00	
4234	----- The Reindollar Co., Taneytown, Md.	Hanover, George Hull & Sons.	534	10.83	15.50	-----	
4561	----- The Saeger Milling Co., Allentown, Pa.	Allentown, The Saeger Milling Co.	861	10.48	15.31	-----	
4140	----- S. F. Scattergood & Co., Philadelphia, Pa.	Lititz, Ehner Eby, -----	440	10.59	18.83	-----	
3754	----- Scott Logan Milling Co., Sheldon, Ia.	Johnstown, G. Bostert & Son.	54	11.62	18.25	14.00	
3742	----- Scott Logan Milling Co., Sheldon, Ia.	Johnstown, J. Thomas & Sons.	42	10.45	18.50	14.00	
4858	----- The Security Flour Mills Co., Abilene, Kansas.	Berwick, H. L. Garrison & Bro.	1158	8.05	17.94	-----	
4654	White, Sheffield-King Milling Co., Minneapolis, Minn.	Altoona, E. D. Clark, -----	954	9.39	17.69	17.13	
4181	White, Sheffield-King Milling Co., Minneapolis, Minn.	Myerstown, Z. T. Gingrich.	781	9.89	17.81	17.13	
4214	White, Sheffield-King Milling Co., Minneapolis, Minn.	York, A. F. Gross & Son, --	514	9.61	17.69	17.13	
4649	White, Sheffield-King Milling Co., Minneapolis, Minn.	Altoona, Klepser Bros., ----	949	9.10	17.75	17.13	
4540	Pure, H. S. Shelly, Allentown, Pa.	Allentown, Frank J. Erdman.	840	9.80	16.94	-----	
3947	Fancy, The Southwestern Milling Co., Kansas City, Mo.	Warren, T. N. Dunham, ---	247	11.45	19.06	14.50	
3918	Fancy, The Southwestern Milling Co., Kansas City, Mo.	Kane, J. A. Stoll & Co., --	218	10.30	18.69	14.50	
4575	Pure, Spanogle-Yeager Milling Co., Lewistown, Pa.	Mapleton, I. W. Fleck, ----	875	11.62	17.81	12-16	
4640	----- Star and Crescent Milling Co., Chicago, Ill.	Altoona, Central Feed Co.	940	9.17	18.63	16.00	
4733	Star, Star and Crescent Milling Co., Chicago, Ill.	Du Bois, Timlin & Reshel,	1033	10.25	17.69	16.00	
4020	----- W. H. Stokes Milling Co., Watertown, S. Dak.	Uniontown, Hogsett & Hankins.	320	9.77	18.50	16.50	
3976	----- W. H. Stokes Milling Co., Watertown, S. Dak.	Greensburg, McFarland Supply Co.	276	10.30	19.00	16.50	
4803	----- W. H. Stokes Milling Co., Watertown, S. Dak.	Lewisburg, Wolfe & Shultz,	1103	9.68	17.38	16.50	
4466	----- C. F. & W. H. Strickler Milling Co., Lebanon Pa.	Lebanon, C. F. & W. H. Strickler.	766	11.55	17.19	-----	
3746	----- Swope Bros., Johnstown, Pa.	Johnstown, Swope Bros., --	46	10.85	16.69	-----	

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.03	Per ct. 4.00	Per ct. 5.35	Per ct. 6.60	\$1 60	Pure wheat middlings, --	As certified, -----	4686
4.83	4.00	5.95	-----	31 00	Pure wheat middlings, --	As certified, -----	4603
4.40	4.00	4.35	-----	1 65	Pure wheat middlings, --	As certified, -----	5184
5.08	4.41	4.95	5.18	30 00	Pure wheat middlings, --	As certified, -----	4961
6.38	4.00	7.17	9.00	27 00	Pure wheat middlings, --	As certified, -----	3709
5.35	4.00	7.95	8.00	1 60	Pure hard wheat middlings.	As certified, -----	4818
4.95	-----	4.47	-----	1 60	-----	Wheat middlings, ----	4110
6.10	5.00	6.04	4.90	1.55	-----	Wheat middlings, ----	4212
6.08	5.00	5.87	4.90	30 00	-----	Wheat middlings, ----	4399
4.38	-----	4.00	-----	31 00	-----	Wheat middlings, ----	4234
4.70	-----	4.40	-----	1 50	Wheat middlings, -----	As certified, -----	4561
4.63	-----	4.39	-----	30 00	Pure wheat middlings, --	As certified, -----	4140
4.90	4.00	5.55	6.00	30 00	-----	Wheat middlings, ----	3754
5.00	4.00	6.10	6.00	1.30	-----	Wheat middlings, ----	3742
5.25	-----	5.35	-----	28 00	-----	Wheat middlings, ----	4858
5.55	5.51	6.57	-----	31 00	Pure wheat middlings, --	As certified, -----	4654
5.85	5.61	6.45	-----	1 45	Pure wheat fancy white middlings.	As certified, -----	4481
5.90	5.61	6.15	-----	1 55	Pure wheat middlings, --	As certified, -----	4214
5.65	5.51	6.55	-----	32 00	Pure wheat middlings, --	As certified, -----	4649
4.98	-----	5.37	-----	1 50	Pure wheat middlings, --	As certified, -----	4540
5.30	5.00	4.00	4.50	30 00	-----	Wheat middlings, ----	3947
5.85	5.00	4.25	4.50	34 00	-----	Wheat middlings, ----	3918
4.78	2-6	4.60	-----	1 65	Fresh ground pure wheat middlings.	As certified, -----	4575
5.80	4.00	8.57	8.00	1 50	Pure wheat middlings, --	As certified, -----	4649
5.75	4.00	7.82	8.00	1 45	Pure wheat middlings, --	As certified, -----	4733
5 80	5.00	6.55	-----	30 00	Pure wheat shorts, -----	As certified, -----	4020
6 08	5.00	6.63	-----	29 00	Pure wheat shorts, -----	As certified, -----	4976
6.10	5.00	6.40	5.59	28 00	Pure wheat shorts, -----	As certified, -----	4833
5 10	-----	5.57	-----	29 00	Wheat middlings, -----	As certified, -----	4463
4.88	-----	4.50	-----	32 00	Wheat middlings, -----	As certified, -----	3746

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
3735	----- Thornton & Chester Milling Co., Buffalo, N. Y.	Hastings, Hastings Mill,--	35	Per ct. 12.71	Per ct. 16.81	Per ct. 14-18
3798	Tioga White, Tioga Mill and Elevator Co., Waverly, N. Y.	Ulster, P. C. Pierce, -----	98	11.08	15.19	16.00
5030	No. 1, White, The Toledo Grain and Milling Co., Toledo, Ohio.	Tionesta, G. W. Robinson & Son.	1330	10.73	16.31	-----
3957	No. 1, White, The Toledo Grain and Milling Co., Toledo, Ohio.	Ridgway, Smith Bros., Co.	257	11.61	15.94	-----
4690	----- Tyrone Milling Co., Tyrone, Pa.	Tyrone, Tyrone Milling Co.	990	10.09	17.31	-----
5092	Pure, C. W. Wager & Co., Philadelphia, Pa.	Pottstown, W. H. Moser,--	1392	11.30	16.81	-----
4758	Hard Wheat Standard, Washburn-Crosby Co., Minneapolis, Minn.	Sunbury, Blank & Gutshall.	1058	9.97	17.33	15.00
4578	Standard, Washburn-Crosby Co., Minneapolis, Minn.	Mapleton Depot, I. W. Fleck.	878	9.91	18.56	15.00
4801	Standard, Washburn-Crosby Co., Minneapolis, Minn.	Lewisburg, Gonsor & Noll,	1101	8.61	15.44	15.00
4585	Flour, Washburn-Crosby Co., Minneapolis, Minn.	Mt. Union, David Rummel,	885	9.91	19.59	17.00
4586	Flour, Washburn-Crosby Co., Minneapolis, Minn.	Mt. Union, David Rummel,	886	9.70	18.19	15.00
4768	Flour, Washburn-Crosby Co., Minneapolis, Minn.	Shamokin, Shamokin Milling Co.	1068	9.36	18.00	15.00
4570	----- Washburn-Crosby Co., Minneapolis, Minn.	Huntingdon, Stouffer & Brenneman.	870	11.15	19.38	17.00
4386	Standard, Washburn-Crosby Co., Minneapolis, Minn.	Shippensburg, John P. Wadel.	686	10.84	19.38	15.00
4362	Flour, Washburn-Crosby Co., Minneapolis, Minn.	Waynesboro, West & West,	662	10.36	20.00	17.00
5129	U Knead It, Watson Mill Co., Wichita, Kansas.	Somerset, H. C. Berits & Sons.	1429	10.66	18.13	15.10
5152	----- Waynesburg Milling Co., Waynesburg, Pa.	Waynesburg, Waynesburg Milling Co.	1452	11.93	16.81	-----
4621	W. W., J. H. & S. E. Weber, Centre Hall, Pa.	Altoona, Martin & Co.,-----	9.21	11.23	15.44	14-17
4097	Pure, Wells-Abbott-Nieman Co., Schuyler, Neb.	New Brighton, J. H. Hornby & Sons.	397	10.72	18.06	15-18
4841	Feedwell, Mixed, Wells Flour Milling Co., Wells, Minn.	Bloomsburg, Bloomsburg Roller Mills.	1141	9.08	18.69	14.81
4842	Feedwell Wheat Flour, Wells Flour Milling Co., Wells, Minn.	Bloomsburg, Bloomsburg Roller Mills.	1142	9.88	17.88	17.50
4491	Pure, George W. Wertz, Wernersville, Pa.	Reading, George W. Wertz,	791	9.41	18.25	-----
4499	----- Wertz Milling Co., Reading, Pa.	Reading, Wertz Milling Co.	799	10.74	15.25	-----
3720	Black Hawk Flour, Western Flour Mill Co., Davenport, Iowa.	Homer City, A. George & Son.	20	11.26	17.44	16.00
4229	Black Hawk Standard, Western Flour Mills Co., Davenport, Iowa.	Hanover, Hanover Feed and Coal Co.	529	9.92	19.06	14.02
4505	Black Hawk, Western Flour Mill Co., Davenport, Iowa.	Reading, Reading Grain Co.	805	9.25	17.88	16.00
4013	Star Winter, The Western Star Mill Co., Salina, Kansas.	Scottdale, J. E. Pritts, --	313	10.89	20.19	16-18
4846	----- The White Milling Co., Bloomsburg, Pa.	Bloomsburg, The White Milling Co.	1146	9.69	17.44	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.53	Per ct. 3-5	Per ct. 3.67	Per ct. -----	\$1 55	Pure wheat product, ----	As certified, -----	3735
4.90	4.00	5.67	8.00	1 70	Pure wheat middlings, ---	As certified, -----	3798
4.40	-----	2.95	-----	1 85	Pure and unadulterated wheat middlings.	As certified, -----	5030
4.20	-----	2.80	-----	2 00	Pure and unadulterated wheat middlings.	As certified, -----	3957
4.95	-----	4.60	-----	30 00	Wheat middlings, -----	As certified, -----	4690
4.88	-----	3.47	-----	1.60	Wheat middlings, -----	As certified, -----	5092
5.68	4.00	7.27	8.00	1 35	Pure wheat middlings, ---	As certified, -----	4758
5.75	4.00	7.70	8 00	1 50	Pure hard wheat standard middlings..	As certified, -----	4578
5 80	4.00	7.37	8.00	1 40	Hard wheat middlings,---	As certified, -----	4801
6.68	5.00	6.00	6.00	1 60	Wheat flour middlings, --	As certified, -----	4585
6.10	4.00	8.80	8.00	1 40	Pure hard wheat standard middlings.	As certified, -----	4586
5.70	4.00	7.80	8.00	28 00	Unadulterated wheat middlings.	As certified, -----	4768
6 13	5.00	5.75	6.00	29 00	Pure hard wheat flour middlings.	As certified, -----	4570
5.75	4.00	6.32	8.00	1.45	Pure hard wheat standard middlings.	As certified, -----	4386
6 40	5.00	6.10	6.00	32 00	Pure hard wheat flour middlings.	As certified, -----	4362
4.03	2.85	2.67	5.06	1 75	Wheat middlings, -----	As certified, -----	5129
4 50	-----	3.35	-----	31 00	Wheat middlings, -----	As certified, -----	5152
3.68	3.50-4.50	3.25	-----	36 00	Winter wheat middlings,--	As certified, -----	4621
5 40	4-6	4.32	5-6.50	1 45	Pure wheat shorts, -----	As certified, -----	4097
5 68	5.54	5.90	6.12	30 00	Pure and unadulterated mixed wheat middlings.	As certified, -----	4841
5.38	4.70	4.05	4.70	30 00	Pure and unadulterated wheat flour middlings.	As certified, -----	4842
6 58	-----	3.90	-----	1 60	Pure wheat middlings,---	As certified, -----	4491
3.18	-----	2.57	-----	30 00	Wheat middlings, -----	As certified, -----	4499
5 00	4.50	4.20	5.75	32 00	Purity guaranteed, -----	As certified, -----	3720
6.35	4.02	5.62	8.00	30 00	-----	Wheat middlings, ----	4229
6.68	4.75	6.57	7.25	28 00	Standard wheat middlings.	As certified, -----	4505
4.55	3-5	4.72	-----	30 00	Wheat middlings, -----	As certified, -----	4013
5.25	-----	4.82	-----	30 00	Wheat middlings, -----	As certified, -----	4846

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4510	----- A. Yocom's Sons Co., Reading, Pa.	Reading, A. Yocom's Sons Co.	810	Per ct. 10.43	Per ct. 16.81	-----
4513	----- A. Yocom's Sons Co., Reading, Pa.	Reading, A. Yocom's Sons Co.	813	11.27	14.63	-----
4813	----- J. F. Youngman, Selinsgrove, Pa.	Selinsgrove, J. F. Youngman.	1113	4.07	15.63	-----
4438	Unknown, -----	Harrisburg, Hoffer & Garman.	738	10.41	17.00	-----
3936	Unknown, -----	Bradford, Smith Bros., ---	236	11.17	14.88	-----
		Average, -----		10.26	17.35	-----
	Wheat Middlings with Admixtures.					
4662	Gem, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle, --	962	9.81	14.69	10.10
3773	Stone Mill, George H. Gisel & Co., Buffalo, N. Y.	New Milford, H. B. Carpenter & Co.	73	7.69	11.75	10-13
4850	Colonial, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Catawissa, M. J. Crimes & Bro.	1150	8.02	13.56	12-15
4922	Colonial, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner-Hillard Milling Co.	1222	9.51	11.88	12-15
		Average, -----		8.76	12.72	-----
5168	Refuse, Standard Tin Plate Co., Canonsburg, Pa.	Canonsburg, Standard Tin Plate Co.	1468	5.89	17.75	-----
4301	No. 2 White, Toledo Grain and Milling Co., Toledo, Ohio.	Reynoldsville, Robinson & Mundorf,	601	10.77	14.50	12-14
5029	No. 2 White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Tionesta, G. W. Robinson & Son.	1329	10.98	14.81	12.14
4742	No. 2 White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Clearfield, Ross & Woods,	1042	9.77	15.13	12-14
4966	No. 2 White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Butler, B. F. Shannon & Co.	1266	9.65	15.00	12-14
3704	No. 2 White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Blairsville, Smith & McKelvey.	4	11.14	14.75	12-14
		Average, -----		10.46	14.84	-----
	Mixed Feed—Wheat By-Products.					
4046	Aeme, Aeme Evans Co., Indianapolis, Ind.	Charleroi, R. C. Mountser,	346	8.81	17.19	15-17.50
3831	Hoosier, Aeme Evans Co., Indianapolis, Ind.	Canton, Homer Rockwell,	131	8.92	16.31	15-17.50
3765	Gem, Allen Baker Com. Co., St. Louis, Mo.	Montrose, Brown & Fassett.	65	9.17	16.38	14-17
3828	Gem, Allen Baker Com. Co., St. Louis, Mo.	Alba, S. S. Cosper, -----	128	9.33	16.63	14-17
3785	Apex Fancy, Allen Baker Com. Co., St. Louis, Mo.	Susquehanna, Homer E. Spencer.	85	9.26	16.75	14-17

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
5.28	-----	4.75	-----	\$28.00	Wheat shorts, -----	As certified, -----	4510
3.15	-----	1.70	-----	30.00	Wheat middlings, -----	As certified, -----	4513
3.70	-----	3.90	-----	30.00	Wheat middlings, -----	As certified, -----	4813
4.89	-----	6.77	-----	25.00	Wheat shorts, -----	As certified, -----	4438
4.50	-----	5.90	-----	28.00	-----	Wheat middlings, -----	3936
5.21	-----	5.64	-----	20.33			
5.10	2.10	2.40	11.30	31.00	Wheat middlings, red dog flour and hominy feed.	Wheat middlings, red dog flour, hominy feed and small amount of rye.	4662
3.25	2-4	15.54	-----	1.40	Winter wheat bran, winter wheat middlings, red flour, ground corn and cob.	As certified, -----	3773
7.20	5-8	7.45	6-8	30.00	Wheat middlings and white corn middlings.	As certified, -----	4850
8.08	6-8	6.35	6-8	29.00	Wheat middlings, white corn middlings.	As certified, -----	4922
7.64	-----	6.90	-----	29.50			
8.50	-----	7.25	-----	17.50	-----	Wheat middlings and palm oil.	5168
5.33	4-6	4.55	6.00	1.60	Wheat middlings and fine white corn meal.	As certified, -----	4301
4.80	4-6	5.70	6.00	1.65	Wheat middlings and fine white corn meal.	As certified, -----	5029
5.38	4-6	5.67	6.00	1.60	Wheat middlings and fine white corn meal.	As certified, -----	4742
4.80	4-6	4.97	6.00	30.00	Wheat middlings and fine white corn meal.	As certified, -----	4906
4.88	4-6	5.32	6.00	32.00	Wheat middlings and fine white corn meal.	As certified, -----	3704
5.04	-----	5.24	-----	31.80			
4.75	4-5	8.23	10.00	29.00	Mills run, wheat bran and wheat middlings.	As certified, -----	4046
4.75	4-5	8.63	10.00	30.00	Mills run, wheat bran and wheat middlings.	As certified, -----	3831
4.85	4-5	7.78	-----	1.55	Pure wheat product, -----	As certified, -----	3765
5.03	4-5	7.65	-----	28.00	Pure wheat product, -----	As certified, -----	3828
4.83	4-5	7.75	-----	30.00	Pure bran and middlings,	As certified, -----	3785

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
4728	Boston, Duluth-Superior Milling Co., Duluth, Minn.	Du Bois, A. T. Sprankle, ..	1028	Per ct. 8.19	Per ct. 17.31	Per ct. 16.00	
3777	Illmo, Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.	Great Bend, Albert Bolt, ..	77	9.86	19.44	15-18	
5041	Buckeye, The Quaker Oats Co., Chicago, Ill.	Titusville, L. S. Clark,	1341	8.67	16.13	13.00	
5138	Buckeye, The Quaker Oats Co., Chicago, Ill.	Washington, D. P. Hart, ..	1438	10.29	16.19	13.00	
4971	Buckeye, The Quaker Oats Co., Chicago, Ill.	New Castle, T. W. Hutchinson & Son.	1271	9.61	16.00	13.00	
5145	Buckeye, The Quaker Oats Co., Chicago, Ill.	Washington, G. W. McBrier.	1445	9.07	16.75	13.00	
4996	Buckeye, The Quaker Oats Co., Chicago, Ill.	Sharon, J. M. Porter,	1296	9.01	16.50	13.00	
5189	Buckeye, The Quaker Oats Co., Chicago, Ill.	Pitcairn, D. F. Salyards, ..	1489	9.94	16.13	13.00	
5053	Buckeye, The Quaker Oats Co., Chicago, Ill.	Union City, Union Coal & Supply Co.	1353	8.75	16.13	13.00	
3762	Occidental, Russell-Miller Milling Co., Minneapolis, Minn.	Montrose, Brown & Fassett.	62	10.13	18.00	15.00	
3779	Occidental, Russell-Miller Milling Co., Minneapolis, Minn.	Susquehanna, A. L. Langford.	79	10.80	17.75	15.00	
	Wheat Bran.	Average,		9.36	16.85	-----	
5049	Perfection Choice Winter, Ames-Burns Co., Jamestown, N. Y.	Corry, W. A. Dodd,	1349	9.55	15.88	14.00	
4853	Pure, Aqueduct Mills, Bloomsburg, Pa.	Catawissa, W. A. McCloughan.	1153	8.87	15.44	14.12	
4379	Atlas, Atlas Flour Mills, Milwaukee, Wis.	Chambersburg, Diehl, Omwake & Diehl.	679	9.28	15.63	15.00	
3784	Atlas, Atlas Flour Mills, Milwaukee, Wis.	Susquehanna, Homer S. Spencer.	84	8.70	16.69	15.00	
3995	----- The Austed & Burk Co., Springfield, O.	Jeannette, Keystone Supply Co.	295	10.74	15.94	14-15	
4948	----- The Austed & Burk Co., Springfield, O.	Butler, H. J. Klingler & Co.	1248	9.65	15.56	14-15	
3980	Ballard's, Ballard & Ballard Co., Louisville, Ky.	Greensburg, McFarland Supply Co.	280	10.25	16.44	14.50	
4329	Ballard's, Ballard & Ballard Co., Louisville, Ky.	Newberry, J. T. Stahl-necker.	629	11.45	14.50	14.50	
3886	Banner, Banner Milling Co., Buffalo, N. Y.	Port Allegany, Port Allegheny Milling Co.	186	9.71	17.00	-----	
4104	----- Barber Milling Co., Minneapolis, Minn.	Monaca, Monaca Roller Mills.	404	10.90	16.44	13-17	
4416	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Mt. Holly Springs, Percy Harman.	716	8.47	13.68	15.00	
4419	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Mt. Holly Springs, J. N. Weigel.	719	8.74	16.56	15.00	
4340	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Lock Haven, E. E. Wentz,	640	9.74	16.38	15.00	
4815	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Selinsgrove, J. F. Youngman.	1115	8.94	15.50	15.00	
4949	Pure, Bernet, Craft & Kauffman Milling Co., St. Louis, Mo.	Butler, H. J. Klingler & Co.	1249	9.09	17.38	14.30	

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.38	Per ct. 4.50	Per ct. 9.20	Per ct. 8.50	\$1 50	Wheat bran, middlings, and low grade flour.	As certified, -----	4728
5.43	4-5	7.50	-----	1 45	Bran and middlings, pure winter wheat product.	As certified, -----	3777
5.00	4.00	7.40	8.00	1 35	Wheat bran, wheat middlings and ground wheat.	As certified, -----	5041
5.33	4.00	7.30	8.00	27 00	Wheat bran, wheat middlings and ground wheat.	As certified, -----	5138
5.00	4.00	7.37	8.00	1 50	Wheat bran, wheat middlings and ground wheat.	As certified, -----	4971
5.13	4.00	7.70	8.00	27 00	Wheat bran, wheat middlings and ground wheat.	As certified, -----	5145
5.60	4.00	8.30	8.00	26 00	Wheat bran, wheat middlings and ground wheat.	As certified, -----	4990
5.55	4.00	7.44	8.00	1 50	Wheat bran, wheat middlings and ground wheat.	As certified, -----	5189
4 90	4.00	8.92	8.00	1 25	Wheat bran, wheat middlings and ground wheat.	As certified, -----	5053
5.65	4.50	7.97	10.00	1 55	Made from wheat only, --	As certified, -----	3762
5 63	4.50	8.24	10.00	1 55	Made from wheat only, --	As certified, -----	3779
5.18	-----	7.96	-----	28 81			
4.83	3.50	8.70	10.00	26 00	Pure winter wheat product.	As certified, -----	5049
3.58	3.54	7.50	6-8	1 50	Pure wheat bran, -----	As certified, -----	4853
5.30	3.80	11.47	11.00	26 00	Made from pure wheat and unadulterated.	As certified, -----	4379
5.95	3.80	10.93	11.00	28 00	-----	Wheat bran, -----	3784
5.25	3-4.50	9.12	9-11.50	30 00	-----	Wheat bran, -----	3995
4.63	3-4	10.00	9-11	1 35	-----	Wheat bran, -----	4948
4.50	4.10	8.50	9.00	29 00	Pure wheat bran, -----	As certified, -----	3980
4.35	4.10	9.10	9.00	1 45	All wheat product, -----	As certified, -----	4329
5.90	-----	10.52	-----	1 50	Pure wheat, -----	As certified, -----	2886
5.60	4-6	9.06	10.00	28 00	Pure wheat bran flakes,--	As certified, -----	4104
5.08	4.00	10.30	11.00	1 30	Pure and unadulterated wheat product.	As certified, -----	4416
5.15	4.00	10.50	11.00	1 35	Pure and unadulterated wheat product.	As certified, -----	4419
4.65	4.00	10.05	11.00	27 00	Pure and unadulterated wheat product.	As certified, -----	4340
5.18	4.00	10.85	10.63	24 00	Pure and unadulterated wheat product.	As certified, -----	4815
5.00	3.55	8.55	-----	1 35	Made from pure wheat,	As certified, -----	4949

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4738	Bernet, Craft & Kauffman Milling Co., St. Louis, Mo.	Clearfield, John W. Smith & Bro.	1038	Per ct. 8.65	Per ct. 15.56	Per ct. 16.25
3857	The Birkett Mills, Penn Yan, N. Y.	Westfield, L. Plank, -----	157	9.79	14.63	-----
3952	Blaine, Mackay, Lee Co., North East, Pa.	Youngsville, John H. Fuellhart.	252	10.04	17.06	15.40
4763	Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	1063	8.81	17.06	14-16
4838	Bloomsburg Roller Mills, Bloomsburg, Pa.	Bloomsburg, Bloomsburg Roller Mills.	1138	9.90	14.56	-----
4807	Buffalo Flour Milling Co., Lewisburg, Pa.	Lewisburg, Buffalo Flour Milling Co.	1107	8.73	16.69	-----
4800	Buffalo Flour Milling Co., Lewisburg, Pa.	Lewisburg, Gonser & Noll.	1100	8.00	15.50	-----
4790	Fancy, Cannon Valley Milling Co., Minneapolis, Minn.	Milton, C. H. McMahon, --	1090	8.58	15.88	13-17
3815	Cayuta Mills, Sayre, Pa.	Sayre, Cayuta Mills, -----	115	11.32	14.56	-----
4657	Jersey, George C. Christian, Minneapolis, Minn.	Altoona, E. D. Clark, -----	957	8.51	15.13	13.00
4457	City Flouring Mills, Lebanon, Pa.	Lebanon, City Flouring Mills.	757	9.54	15.44	-----
5177	Winter, City Mills, Shelby, Ohio.	Carnegie, C. A. Foster, --	1477	10.13	15.81	15.44
5141	Winter, City Mills, Shelby, Ohio.	Washington, C. B. Ruch,	1441	9.78	16.25	15.44
4077	Clark Grain Co., Pittsburg, Pa.	Kittanning, William Gates Est.	377	9.24	16.44	-----
4856	Claro, Claro Milling Co., Lakeville, Minn.	Berwick, H. L. Garrison & Bro.	1156	8.25	15.94	14-17
3775	Claro, Claro Milling Co., Lakeville, Minn.	New Milford, John J. Potter.	75	9.89	16.63	14-17
4878	Commander, Commander Mill Co., Minneapolis, Minn.	Wilkes-Barre, John Ahlbrandt.	1178	8.01	15.44	14.00
4535	Commander, Commander Mill Co., Minneapolis, Minn.	Allentown, George B. Shelly Est.	835	8.75	15.69	14.00
4719	Commander, Commander Mill Co., Minneapolis, Minn.	Munson Station, Jacob Smutzinger.	1019	8.78	15.69	14.00
3769	Henkels, Commercial Milling Co., Detroit, Mich.	New Milford, H. B. Carpenter & Co.	69	8.99	15.48	14.79
3951	The Commercial Milling Co., Cleveland, Ohio.	Youngsville, John H. Fuellhart.	251	10.60	17.06	14-17.50
3971	The Commercial Milling Co., Cleveland, Ohio.	Greensburg, Harry Orr & Co.	271	13.25	17.31	14-17.50
5046	The Commercial Milling Co., Cleveland, Ohio.	Titusville, Titusville City Mills.	1346	9.45	16.56	-----
4421	Chas. T. Coyle, Mt. Holly Springs, Pa.	Mt. Holly Springs, J. M. Weigel.	721	8.09	16.69	-----
4211	Coarse, William G. Crocker, Minneapolis, Minn.	York, Jacob Eyster, -----	511	9.28	17.50	14.50
4190	Coarse, William G. Crocker, Minneapolis, Minn.	York, Miller Bros., -----	499	8.49	17.31	14.50
4252	Coarse, William G. Crocker, Minneapolis, Minn.	Downingtown, E. Vinton Philips.	552	11.40	17.25	14.50
4325	Coarse, William G. Crocker, Minneapolis, Minn.	Newberry, J. T. Stahlnecker.	625	9.27	17.50	14.50
4343	Coarse, William G. Crocker, Minneapolis, Minn.	Lock Haven, E. E. Wentz,	643	9.47	16.06	14.50
3913	Crosby Roller Milling Co., Topeka, Kan.	St. Marys, George Wolf, --	213	8.50	18.31	14.00
5009	Crouch Bros. Co., Eric, Pa.	Oil City, Clyde D. Duffee,	1309	9.09	16.81	15.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.70	Per ct. 3.55	Per ct. 9.60	Per ct.	\$1 50	Wheat bran, -----	As certified, -----	4738
4.65	-----	9.36	-----	1 50	Pure and unadulterated wheat bran.	As certified, -----	3857
6.30	4.00	8.75	-----	29.00	Pure wheat bran, -----	As certified, -----	3952
4.75	3.50- 4.50	9.81	6.50- 7.50	1 25	Wheat bran, -----	As certified, -----	4763
4.70	-----	10.67	-----	27 00	Wheat bran, -----	As certified, -----	4838
4.60	-----	10.42	-----	25 00	Wheat bran, -----	As certified, -----	4807
4.78	-----	9.75	-----	1 35	Wheat bran, -----	As certified, -----	4800
5.30	4-6	9.25	10.00	1 40	Pure wheat bran, -----	As certified, -----	4790
3.85	-----	7.00	-----	30 00	-----	Wheat bran, -----	3815
5.38	4.00	5.77	11.50	27 00	Pure wheat bran, -----	As certified, -----	4657
5.15	-----	9.30	-----	26 00	Wheat bran, -----	As certified, -----	4457
4.25	3.78	8.37	11.57	25 00	Winter wheat bran, -----	As certified, -----	5177
4.28	3.78	8.40	11.57	1 40	Wheat bran, -----	As certified, -----	5141
4.88	-----	9.70	-----	28 00	-----	Wheat bran, -----	4077
5.30	3-6	10.35	9-11	26 00	-----	Wheat bran, -----	4856
5.73	3-5	9.52	-----	1 40	-----	Wheat bran, -----	3775
5.25	4.00	11.10	10.00	28 00	Pure wheat bran, -----	As certified, -----	4878
5.53	4.00	10.75	10.00	27 00	Unadulterated pure wheat bran.	As certified, -----	4535
5.50	4.00	11.12	10.00	29 00	Pure wheat bran, -----	As certified, -----	4719
5.60	3.30	10.10	-----	1 40	-----	Wheat bran, -----	3769
6.03	4.50- 5.50	9.00	-----	29 00	Pure wheat and screenings.	Wheat bran, -----	3951
5.65	4.50- 5.50	9.83	-----	28 00	Pure wheat and screenings.	Wheat bran, -----	3971
5.20	-----	9.55	-----	25 00	Natural run of wheat, --	As certified, -----	5046
5.15	-----	9.52	-----	1 40	Wheat bran, -----	As certified, -----	4421
6.13	4.00	11.12	11.00	1 40	Pure hard wheat bran, --	As certified, -----	4211
6.43	4.00	10.57	11.00	1 45	Unadulterated wheat bran.	As certified, -----	4199
5.75	4.00	9.50	11.00	27 00	Pure hard wheat bran, --	As certified, -----	4252
6.09	4.00	9.77	11.00	1 35	Pure hard wheat bran, --	As certified, -----	4325
5.28	4.00	9.90	11.00	27 00	Pure hard wheat bran, --	As certified, -----	4343
4.75	3.00	9.43	10.00	29 00	Pure winter wheat bran,	As certified, -----	3913
4.75	4.50	8.97	9.50	27 00	-----	Wheat bran, -----	5009

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
3793	----- Dayton Milling Co., Towanda, Pa.	Towanda, Dayton Milling Co.	93	10.29	15.06	-----
4316	----- Dayton Milling Co., Towanda, Pa.	Williamsport, Gohl & King,	616	9.43	17.38	-----
3929	----- The Davis Milling Co., St. Joseph, Mo.	Bradford, L. A. Fisher & Co.	229	9.95	17.31	13.00
5045	----- The Davis Milling Co., St. Joseph, Mo.	Titusville, Titusville City Mills.	1345	8.84	16.94	13.00
4311	Duluth Imperial, Duluth-Superior Milling Co., Duluth, Minn.	Williamsport, F. W. Dawson & Son.	611	8.32	16.31	14.50
4617	Duluth Imperial, Duluth-Superior Milling Co., Duluth, Minn.	Altoona, J. B. Forsht, ---	917	8.69	16.31	14.50
4146	Duluth Imperial, Duluth-Superior Milling Co., Duluth, Minn.	Leaman Place, Harry K. Hershey.	446	8.71	16.00	14.50
4771	Imperial, Duluth-Superior Milling Co., Duluth, Minn.	Shamokin, J. R. Vought,--	1071	8.27	17.31	14.50
4512	Duluth Imperial, Duluth-Superior Milling Co., Duluth, Minn.	Reading, A. Yocum's Sons & Co.	812	9.38	15.56	14.50
4863	----- Duncannon Flouring Mill Co., Duncannon, Pa.	Duncannon Flouring Mill Co., Duncannon, Pa.	1163	9.85	14.89	-----
4272	Pure, Fzl. Dunwoody Co., Philadelphia, Pa.	West Chester, C. C. Hipple & Son.	572	10.94	15.63	-----
4633	----- Eagle Roller Mill Co., New Ulm, Minn.	Altoona, Altoona Grain & Feed Co.	933	8.36	15.88	14.90
4600	----- Eagle Roller Mill Co., New Ulm, Minn.	Bedford, H. H. Lysinger,	900	10.41	15.69	14.90
3990	----- Eckhart & Swan Milling Co., Chicago, Ill.	Irwin, Irwin Flour Mills Co.	290	9.26	16.81	-----
4277	----- Elder & Eckbert, Lewistown, Pa.	Lewistown, Elder & Eckbert.	577	9.30	17.19	-----
4278	----- Elder & Eckbert, Lewistown, Pa.	Lewistown, Elder & Eckbert.	578	9.07	17.25	-----
3862	----- Ekland Roller Mills, Ekland, Pa.	Ekland, Ekland Roller Mills.	162	9.60	17.19	-----
5037	----- Emlenton Milling Co., Ltd., Emlenton, Pa.	Emlenton, Emlenton Milling Co., Ltd.	1337	11.25	16.44	-----
3896	----- Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	196	9.48	16.69	14.00
3877	----- Eulalia Milling Co., Coudersport, Pa.	Coudersport, Eulalia Milling Co.	177	8.15	15.75	-----
4661	Eaco Winged Horse, Everett, Aughenbaugh & Co., Waseca, Minn.	Altoona, T. M. Biddle, ---	961	8.10	16.19	14-17
3790	Eaco Winged Horse, Everett, Aughenbaugh & Co., Waseca, Minn.	Lanesboro, Buckley Bros.,	90	9.24	16.31	14-17
4796	----- H. L. Follmer, Watsontown, Pa.	Watsontown, H. L. Follmer.	1096	9.92	17.19	-----
5033	----- Franke Grain Co., Milwaukee, Wis.	Franklin, Johnson & Co.,	1333	10.01	15.88	-----
4539	----- D. D. & N. D. Fritch, Macungie, Pa.	Allentown, H. F. Gruver,--	839	9.18	15.19	-----
3902	----- Gamble, Gheen & Co., Bellefonte, Pa.	Emporium, E. J. Smith, --	202	10.81	16.00	-----
4650	Clover Leaf, The Gardner Mill, Hastings, Minn.	Altoona, Klopser Bros., --	950	7.61	15.94	13.50
4743	Clover Leaf, The Gardner Mill, Hastings, Minn.	Clearfield, Ross & Woods,	1043	10.37	15.94	13.50
4508	Clover Leaf, The Gardner Mill, Hastings, Minn.	Reading, W. T. Snyder, --	808	10.64	15.56	13.50
4283	Clover Leaf, The Gardner Mill, Hastings, Minn.	Lewistown, G. M. White,	583	12.30	15.81	13.50
4702	Coarse, Globe Elevator Co., Buffalo, N. Y.	Philipsburg, Feed Grain Co.	1002	8.87	16.50	12-14

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.35	-----	9.04	-----	\$30 00	-----	Wheat bran, -----	3793
5.73	-----	10.15	-----	1 50	-----	Wheat bran, -----	4316
4.30	4.00	8.13	9.00	29 00	Pure wheat bran, -----	As certified, -----	3929
4.18	4.00	8.90	9.00	25 00	Pure wheat bran, -----	As certified, -----	5045
5.60	4.00	12.07	11.25	1 35	Pure wheat bran, -----	As certified, -----	4311
5.38	4.00	10.95	11.25	26 00	Wheat bran, -----	As certified, -----	4617
6.58	4.00	11.10	11.25	27 00	Wheat bran, -----	As certified, -----	4146
5.38	4.00	11.67	11.25	1 40	Wheat bran, -----	As certified, -----	4771
5.43	4.00	10.92	11.25	25 00	Pure bran, -----	As certified, -----	4512
4.30	-----	9.25	-----	29 00	Wheat bran, -----	As certified, -----	4863
5.35	-----	10.05	-----	27 00	Pure wheat bran, -----	As certified, -----	4272
5.33	4.10	10.23	9.22	1 20	Pure wheat bran, -----	As certified, -----	4633
5.73	4.10	10.60	9.22	1 20	Pure wheat bran, -----	As certified, -----	4600
5.35	-----	9.90	-----	29 00	Pure wheat bran, -----	As certified, -----	3990
4.90	-----	9.17	-----	1 50	Wheat bran, -----	As certified, -----	4277
4.30	-----	5.77	-----	1 55	Bran and shorts or mid- dlings.	As certified, -----	4278
5.40	-----	9.97	-----	28 00	Pure wheat bran, -----	As certified, -----	3862
5.43	-----	9.70	-----	27 00	Pure and unadulterated wheat bran.	As certified, -----	5037
5.13	3.00	8.60	-----	30 00	Pure wheat bran, -----	As certified, -----	3896
5.15	-----	10.77	-----	30 00	Wheat bran, -----	As certified, -----	3877
5.60	3-6	11.62	8-11	25 50	-----	Wheat bran, -----	4661
5.75	3-6	10.33	8-10	1 45	-----	Wheat bran, -----	3790
3.93	-----	8.42	-----	1 35	Wheat bran, -----	As certified, -----	4796
5.13	-----	10.02	-----	25 00	-----	Wheat bran, -----	5033
4.88	-----	9.25	-----	1 30	Wheat bran, -----	As certified, -----	4539
4.43	-----	7.95	-----	1 55	Pure wheat bran, -----	As certified, -----	3902
5.40	4.50	6.60	-----	28 00	Wheat bran, -----	As certified, -----	4650
5.05	4.50	10.52	-----	1 50	Wheat bran, -----	As certified, -----	4743
4.85	4.50	9.70	-----	1 30	Wheat bran, -----	As certified, -----	4508
5.28	4.50	10.05	-----	1 50	Wheat bran, -----	As certified, -----	4283
4.65	3-4	8.87	10-11	1 60	Coarse wheat bran, -----	As certified, -----	4702

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4604	Pure, The Gwinn Milling Co., Columbus, Ohio.	Wilkinsburg, Johnston & Smith.	904	Per ct. 9.10	Per ct. 16.63	Per ct. 15.75
4679	----- Hagey Bros., Martinsburg, Pa.	Martinsburg, Hagey Bros.,	979	8.61	16.56	-----
4940	----- Haney-Frazier Milling Co., Danville, Pa.	Seranton, George H. East-erle.	1240	8.87	17.38	-----
4829	----- Haney-Frazier Milling Co., Danville, Pa.	Danville, Haney - Frazier Milling Co.	1129	10.59	16.69	-----
3988	----- Hardman & Heck, Pittsburg, Pa.	Irwin, Taylor Kunkle, ---	288	9.59	16.88	14-17
3962	----- Hardman & Heck, Pittsburg, Pa.	Derry, J. O. Nicely, -----	262	10.08	16.69	14-17
4982	----- Harmony Cereal Co., Harmony, Pa.	Harmony, Harmony Cereal Co.	1282	9.80	15.81	-----
4865	----- John Hoffer Flouring Mill Co., Steelton, Pa.	Duncannon, Duncannon Flouring Mill Co.	1165	10.51	15.44	-----
4445	----- John Hoffer Flouring Mill Co., Steelton, Pa.	Steelton, John Hoffer Flouring Mill Co.	745	8.93	15.56	-----
4407	Pure, John Hoffer Flouring Mill Co., Steelton, Pa.	Carlisle, Paxton Flour & Feed Co.	707	8.18	15.81	-----
4476	Pure Flaky, Hubbard Milling Co., Mankatoo, Minn.	Myerstown, E. L. Bleis-tein.	776	9.40	16.19	15.00
4413	Pure Flaky, Hubbard Milling Co., Mankatoo, Minn.	Carlisle, S. B. Jackson, --	713	9.00	16.56	15.00
4564	Flaky, Hubbard Milling Co., Mankatoo, Minn.	Allentown, John E. Schnon,	864	8.14	16.31	13.20
4220	Flaky, Hubbard Milling Co., Mankatoo, Minn.	York, H. H. Smyser, -----	520	10.48	16.19	15.00
3898	----- The Hunter Bros. Milling Co., St. Louis, Mo.	Emporium, Emporium Milling Co.	198	10.61	16.69	14.00
3955	----- The Hunter Bros. Milling Co., St. Louis, Mo.	Warren, Warren Mills Co.,	255	9.52	15.63	14.00
3943	Repeater Winter, Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.	Warren, T. N. Dunham, --	243	11.78	18.75	14.50
5026	Dreadnought Coarse, Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.	Tionesta, Lanson Bros., --	1326	10.13	15.94	14.50
4712	Repeater Winter, Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.	Philipsburg, Philipsburg Milling, Lighting and Heating Co.	1012	9.72	15.81	14.50
4597	Winter, Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.	Bedford, D. W. Prosser, --	897	9.16	16.25	14.50
3910	----- Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.	St. Marys, L. Ritter, ---	210	10.95	17.06	-----
4567	----- Huntingdon Milling Co., Huntingdon, Pa.	Huntingdon, Huntingdon Milling Co.	867	9.17	17.44	-----
3870	Spring, Jannison Bros. & Co., Janesville, Minn.	Knoxville, Deerfield Milling Co.	170	8.73	15.38	14.00
4558	----- George A. Keck & Co., Allentown, Pa.	Allentown, Edwin S. Koch,	858	9.55	15.56	-----
3893	----- The William Kelly Milling Co., Hutehison, Kan.	Port Allegany, C. O. Nep-tune.	193	9.98	16.50	15.00
5150	Anchor, Kemper Mill & Elevator Co., Kansas City, Mo.	Waynesburg, Bert Hughes,	1450	8.88	16.06	14.50
3802	Anchor, Kemper Mill & Elevator Co., Kansas City, Mo.	Ulster, P. C. Pierce, -----	102	8.84	17.50	14.50
3960	Diamond, Kemper Mill & Elevator Co., Kansas City, Mo.	Ridgway, Smith Bros. Co.,	260	9.98	17.50	14.50
4019	Pure Eagle, J. B. A. Kern & Sons, Milwaukee, Wis.	Unjontown, Hogsett & Hawkins.	319	10.17	15.81	14.00
4674	----- Klepser Bros., Martinsburg, Pa.	Martinsburg, Klepser Bros.,	974	8.45	16.88	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.48	Per ct. 4.04	Per ct. 9.20	Per ct. 8.01	\$28 00	Pure wheat bran, -----	As certified, -----	4604
4.10	-----	8.32	-----	1 35	Wheat bran, -----	As certified, -----	4679
5.08	-----	10.07	-----	1 35	Wheat bran, -----	As certified, -----	4940
5.68	-----	10.20	-----	1 20	Wheat bran, -----	As certified, -----	4829
5.45	3-6	10.00	-----	1 40	Pure wheat bran, -----	As certified, -----	3988
5.48	3-6	10.48	-----	1 60	Pure wheat bran, -----	As certified, -----	3962
4.33	-----	8.75	-----	1 35	Wheat bran, -----	As certified, -----	4982
4.60	-----	9.57	-----	28 00	Pure wheat bran, -----	As certified, -----	4865
5.13	-----	9.47	-----	24 00	Pure wheat bran, -----	As certified, -----	4445
4.83	-----	9.22	-----	1 30	Pure wheat bran, -----	As certified, -----	4407
5.85	4.80	11.30	11.50	24 00	-----	Wheat bran, -----	4476
5.68	4.80	11.50	11.50	1 30	-----	Wheat bran, -----	4413
5.75	4.80	10.50	11.20	1 50	Pure flakey bran, -----	Wheat bran, -----	4564
5.80	4.80	10.28	11.50	27 00	Pure flakey bran, -----	Wheat bran, -----	4220
4.80	3.50	8.15	-----	30 00	Pure winter wheat bran, --	As certified, -----	3898
4.45	3.50	9.55	-----	29 00	Made from pure wheat, --	As certified, -----	3955
4.53	4.00	8.53	9.50	29 00	Pure winter wheat product.	As certified, -----	3943
4.35	4.00	8.30	9.50	1 40	Pure winter wheat product.	As certified, -----	5026
4.50	4.00	9.95	9.50	1 75	Pure winter wheat product.	As certified, -----	4712
4.45	4.00	9.00	9.50	1 25	Pure winter wheat product.	As certified, -----	4597
4.83	-----	8.10	-----	30 00	-----	Wheat bran, -----	3910
5.08	-----	9.42	-----	26 00	Wheat bran, -----	As certified, -----	4567
5.68	4.00	10.05	-----	28 00	Pure spring wheat bran, --	As certified, -----	3870
5.35	-----	7.50	-----	1 40	Wheat bran, -----	As certified, -----	4558
4.63	4.00	9.35	-----	1 50	-----	Wheat bran, -----	3893
4.30	4.00	9.82	9.50	1 50	Made from pure wheat, --	As certified, -----	5150
4.55	4.00	8.81	9.50	1 40	Made from pure wheat, --	As certified, -----	3802
5.30	4.00	8.00	9.50	1 50	Made from pure wheat, --	As certified, -----	3960
5.05	3.00	11.24	10.50	30 00	Pure eagle bran, -----	As certified, -----	4019
4.45	-----	8.87	-----	1 35	Wheat bran, -----	As certified, -----	4674

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4524	----- Kutztown Roller Mills, Kutztown, Pa.	Kutztown, Kutztown Roller Mills.	824	Per ct. 8.10	Per ct. 16.38	-----
4159	Fancy Coarse, Lagrange Mills, Red Wing, Minn.	Kinzer, E. E. & W. J. L. Walker.	459	10.13	16.69	14.00
4464	----- Lebanon Milling Co., Lebanon, Pa.	Lebanon, Lebanon Milling Co.	764	10.01	15.50	-----
4684	----- C. E. Lingafelt, Hollidaysburg, Pa.	Hollidaysburg, C. E. Lingafelt.	984	9.35	16.75	-----
3806	Elmco, Listman Milling Co., La Crosse, Wis.	Knoxville, J. H. Burch, --	166	9.42	17.50	16.94
4193	Elmco Fancy, Listman Milling Co., La Crosse, Wis.	York, F. Z. Stauffer, ----	493	10.33	17.75	17.25
3722	Elmco, Listman Milling Co., La Crosse, Wis.	Indiana, James St. Clair,	22	11.93	17.38	16.94
4361	Elmco, Listman Milling Co., La Crosse, Wis.	Gettysburg, C. M. Wolf, Jr.	661	10.05	17.88	17.25
4000	----- Loughry Bros. Milling and Grain Co., Monticello, Ind.	Jeannette, N. C. Maines,--	300	10.51	16.56	15.56
4601	----- H. H. Lysinger, Bedford, Pa.	Bedford, H. H. Lysinger,--	901	10.33	15.88	-----
4291	----- Manbeck & Nelson, Mifflin, Pa.	Mifflin, Manbeck & Nelson,	591	9.70	17.44	-----
4390	----- C. Manegold Milling Co., Milwaukee, Wis.	Scotland, M. Ickes, -----	690	9.87	16.38	15.00
4412	----- Marshall Milling Co., Marshall, Minn.	Carlisle, S. B. Jackson, --	712	9.21	16.31	15.00
4873	Pure, C. P. Matthews & Sons, Inc., Scranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	1173	8.76	16.63	13-14.38
4772	Mixed, Mauser Mill Co., Lawry's, Pa.	Mt. Carmel, Schneider Bros.	1072	9.07	16.44	12-16
4549	Mixed, Mauser Mill Co., Lawry's, Pa.	Allentown, A. T. Stover Est.	849	9.34	16.88	12-16
4062	----- R. S. McCague, Pittsburgh, Pa.	Apoll, L. Todd Owens, --	362	11.22	15.94	-----
5193	----- J. & C. McClune, Pittsburg, Pa.	Braddock, George Moore, --	1493	9.04	17.38	-----
4927	----- Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner - Hillard Milling Co.	1227	8.17	15.88	-----
5002	Pure Winter, National Feed Co., St. Louis, Mo.	Sharon, Smith & Kelly, ---	1302	8.49	15.31	14.00
5073	Pure Winter, National Feed Co., St. Louis, Mo.	Tyrone, Tyrone Milling Co.,	1373	8.86	16.31	14.00
4164	Pure, The National Milling Co., Toledo, Ohio.	Columbia, Columbia Milling Co.	464	9.15	17.44	-----
4618	Hardenbergh's Extra Coarse, National Milling Co., Minneapolis, Minn.	Altoona, J. B. Forsht, ---	918	8.58	18.25	15-17
5020	Hardenbergh's Extra Coarse, National Milling Co., Minneapolis, Minn.	Oil City, New Model Milling Co.	1320	9.79	17.50	15-17
4747	Hardenbergh's Extra Coarse, National Milling Co., Minneapolis, Minn.	Wallaceton, E. K. Turner,	1047	8.95	17.38	15-17
4298	Hardenbergh's Extra Coarse, National Milling Co., Minneapolis, Minn.	Reynoldsville, Wallace & Stefl.	598	9.85	17.81	15-17
4781	Seal of Minnesota, New Prague Flouring Mill Co., New Prague, Minn.	Milton, E. Datesman, ----	1081	7.49	15.94	13.50
4432	Seal of Minnesota, New Prague Flouring Mill Co., New Prague, Minn.	Harrisburg, Mock & Hartman.	732	9.36	15.88	13.50
4667	Seal of Minnesota, New Prague Flouring Mill Co., New Prague, Minn.	Altoona, R. F. Notley, ----	967	8.32	15.38	13.50
4805	Seal of Minnesota, New Prague Flouring Mill Co., New Prague, Minn.	Lewisburg, Wolfe & Shultz,	1105	9.05	15.06	13.50

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1 40	Wheat bran, -----	As certified, -----	4524
4.83	-----	8.00	-----	27 00	Pure and unadulterated wheat bran.	As certified, -----	4159
5.50	3.50	11.60	12.60	26 00	Wheat bran, -----	As certified, -----	4464
4.90	-----	8.92	-----	1 50	Wheat bran, -----	As certified, -----	4684
4.15	-----	8.20	-----	28 00	Pure and unadulterated wheat bran.	As certified, -----	3866
5.80	4.89	9.60	10.00	26 00	Pure and unadulterated wheat bran.	As certified, -----	4193
5.93	4.58	9.55	11.03	1 50	Pure and unadulterated wheat bran.	As certified, -----	3722
5.73	4.88	9.25	10.00	1 30	Pure and unadulterated wheat bran.	As certified, -----	4361
5.75	4.58	9.77	11.03	29.00	Pure wheat bran, -----	As certified, -----	4000
5.33	3.81	8.90	-----	1 20	Wheat bran, -----	As certified, -----	4601
4.78	-----	9.25	-----	28 00	Wheat bran, -----	As certified, -----	4291
4.75	-----	7.30	-----	26 00	-----	Wheat bran, -----	4390
5.08	4.00	10.02	11.00	1 30	-----	Wheat bran, -----	4412
5.33	4.80	11.37	11.80	1 45	Pure wheat bran, -----	As certified, -----	4873
4.95	4-5.31	10.00	10.90-12	1 45	-----	Wheat bran, -----	4772
5.28	3-4	9.90	6-10	1 40	Bran, -----	As certified, -----	4549
5.35	3-4	9.37	6-10	1 55	-----	Wheat bran, -----	4062
4.88	-----	9.82	-----	1 50	Wheat bran, -----	As certified, -----	5193
4.28	-----	9.38	-----	30 00	Pure wheat bran, -----	As certified, -----	4927
4.35	-----	8.50	-----	1 40	Pure winter wheat bran,---	As certified, -----	5002
4.80	4.00	10.15	8.00	26 00	Made from pure wheat, --	As certified, -----	5073
4.80	4.00	8.47	8.00	28 00	Pure wheat bran, -----	As certified, -----	4164
5.80	-----	10.22	-----	26 00	Pure and unadulterated wheat.	As certified, -----	4618
5.85	4-5	8.72	-----	25 00	Pure and unadulterated wheat bran.	As certified, -----	5020
5.78	4-5	8.42	-----	27 00	Pure and unadulterated wheat bran.	As certified, -----	4747
5.63	4-5	7.67	-----	1 30	Pure and unadulterated wheat bran.	As certified, -----	4298
5.75	4-5	8.57	-----	1 40	Pure and unadulterated wheat bran.	As certified, -----	4781
5.45	4.00	11.72	12.05	24 00	Pure and unadulterated wheat bran.	As certified, -----	4432
5.10	4.00	11.37	12.05	1 50	Pure and unadulterated bran.	As certified, -----	4667
5.35	4.00	11.90	12.50	26 00	Pure and unadulterated bran.	As certified, -----	4805
5.75	4.00	11.12	12.05				

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Orude Protein.	
					Found.	Guaranteed.
4396	Northland, Northland Milling Co., Larimore, N. Dak.	Newville, H. Manning & Son.	696	Per ct. 10.61	Per ct. 15.44	Per ct. 12.80
4639	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Altoona, Central Feed Co.,	939	9.39	16.44	14.50
4835	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Danville, Danville Milling Co.	11.35	8.80	15.56	14.25
3928	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Bradford, L. A. Fischer & Co.	228	9.73	16.94	14.50
4611	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Altoona, J. B. Forsht, ---	911	9.83	16.19	14.50
3884	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Coudersport, Gates Bros.,---	184	10.74	16.13	14.25
4483	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Myerstown, Z. T. Gingrich,	783	10.02	15.88	14.50
4692	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Tyrone, M. Hamer, -----	992	8.22	16.44	14.50
4566	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Huntingdon, Huntingdon Milling Co.	866	9.71	16.81	14.50
4938	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Seranton, O. P. Matthews & Sons, Inc.	1238	9.06	16.38	14.50
4151	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Manheim, F. K. Nauman,---	451	11.47	16.50	14.50
4405	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Paxton Carlisle, Flour and Feed Co.	705	8.17	17.13	14.50
4886	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Wilkes-Barre, Robbins Milling Co.	1186	8.89	16.56	14.50
5131	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Somerset, Saylor & Woy,---	1431	9.42	16.13	14.50
4523	----- The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Kutztown, John A. Schwoyer.	823	9.40	16.75	14.50
4904	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Hazleton, John G. Seager's Sons.	1204	7.91	16.00	14.50
4734	Fancy Spring, Northwestern Milling Co., Little Falls, Minn.	Du Bois, Timlin & Rishel,	1034	8.27	15.88	12.50
5099	----- The Oakes Flour Mills, Oakes, N. Dak.	Chester, Chester Milling Co.	1399	8.92	16.63	14.80
5182	Winter, The Ohio Cereal Co., Circleville, Ohio.	Carnegie, J. H. Burgan & Son.	1482	10.64	16.50	14.50
4794	----- S. F. Phillips & Son, Milton, Pa.	Milton, S. F. Phillips & Son.	1094	7.98	16.69	-----
4260	----- Pillsbury Flour Mills, Minneapolis, Minn.	West Chester, I. H. Bailey,	560	10.31	15.50	14.50
4836	----- Pillsbury Flour Mills, Minneapolis, Minn.	Danville, Danville Milling Co.	1136	9.01	15.56	14.50
4084	Pillsbury's, Pillsbury Flour Mills, Minneapolis, Minn.	Kittanning, J. A. Gault & Co.	384	9.52	15.44	14.50
3987	----- Pillsbury Flour Mills, Minneapolis, Minn.	Irwin, Taylor Kunkle, -----	287	9.89	16.06	14.50
4930	Pure, Pillsbury Flour Mills, Minneapolis, Minn.	Seranton, Miner - Hillard Milling Co.	1230	8.73	15.63	14.50
4436	Pillsbury's, Pillsbury Flour Mills, Minneapolis, Minn.	Harrisburg, I. L. Nailor,---	736	8.59	16.31	14.50

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.60	Per ct. 4.50	Per ct. 11.22	Per ct. 11.07	\$26 00	Unadulterated wheat bran.	As certified, -----	4396
5.13	4.00	10.95	11.00	1 50	Pure wheat bran, -----	As certified, -----	4639
5.23	4.00	11.63	12.00	23 00	Pure wheat bran, -----	As certified, -----	4835
6.00	4.00	9.97	11.00	28 00	Pure wheat bran, -----	As certified, -----	3928
5.43	4.00	10.70	11.00	26 00	Pure wheat bran, -----	As certified, -----	4611
5.95	4.00	11.43	12.00	1 50	Pure wheat bran, -----	As certified, -----	3884
5.50	4.00	10.65	11.00	24 50	Pure wheat bran, -----	As certified, -----	4483
5.50	4.00	10.95	11.00	28 00	Pure wheat bran, -----	As certified, -----	4692
5.58	4.00	9.95	11.00	26 00	Pure wheat bran, -----	As certified, -----	4566
5.63	4.00	11.05	11.00	1 40	Pure wheat bran, -----	As certified, -----	4938
5.83	4.00	10.22	11.00	27 00	Pure wheat bran, -----	As certified, -----	4151
5.53	4.00	9.90	11.00	1 30	Pure wheat bran, -----	As certified, -----	4405
5.43	4.00	10.90	11.00	29 00	Pure wheat bran, -----	As certified, -----	4886
5.73	4.00	10.27	11.00	1 40	Pure wheat bran, -----	As certified, -----	5131
5.60	4.00	10.50	11.00	1 30	Pure wheat bran, -----	As certified, -----	4523
5.30	4.00	10.95	11.00	1 30	Pure wheat bran, -----	As certified, -----	4904
5.00	3.70	11.30	-----	1 40	-----	Wheat bran, -----	4734
4.95	4.90	10.69	8.50	1 40	-----	Wheat bran, -----	5099
4.78	4.00	8.74	9.50	1 45	Winter wheat bran screenings included.	Wheat bran, -----	5182
4.85	-----	8.80	-----	1 40	Wheat bran, -----	As certified, -----	4794
5.48	4.00	11.50	9.50	26 00	Pure and unadulterated wheat bran, -----	As certified, -----	4260
4.60	4.00	11.45	9.50	23 00	Pure wheat bran, -----	As certified, -----	4836
5.15	4.00	10.70	9.50	1 40	Pure and unadulterated wheat flour bran.	As certified, -----	4084
5.75	4.00	10.52	9.50	1 40	Pure and unadulterated wheat bran.	As certified, -----	3987
4.90	4.00	11.70	9.50	1 35	Pure and unadulterated wheat bran.	As certified, -----	4930
5.75	4.00	11.27	9.50	1 25	Pure and unadulterated wheat bran.	As certified, -----	4436

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
3972	----- Pillsbury's Flour Mills, Minneapolis, Minn.	Greensburg, Harry Orr & Co.	272	Per ct. 10.93	Per ct. 16.31	Per ct. 14.50
4710	Pillsbury's, Pillsbury Flour Mills, Minneapolis, Minn.	Philipsburg, Philipsburg Milling, Lighting and Heating Co.	1010	8.91	15.56	14.50
4627	----- Pillsbury Flour Mills, Minneapolis, Minn.	Altoona, P. W. Poet, -----	927	8.51	15.50	14.50
4687	----- Pillsbury Flour Mills, Minneapolis, Minn.	Holidaysburg, Thermie Coal and Supply Co.	987	8.22	16.19	14.50
5183	Pure, The Piqua Milling Co., Piqua, Ohio.	Wilnerding, Routh & Co.,	1483	10.10	16.94	14.00
4315	Napoleon Coarse, Prudential Milling Co., Minneapolis, Minn.	Williamsport, M. E. Donnell & Co.	615	8.74	15.94	14.50
4134	Napoleon, Prudential Milling Co., Minneapolis, Minn.	Lititz, Aaron G. Hershey,	434	10.67	15.19	14.50
3710	Napoleon Coarse, Prudential Milling Co., Minneapolis, Minn.	Saltsburg, G. W. Martin & Co.	10	9.81	16.13	14.50
4402	Bixota, Red Wing Milling Co., Red Wing, Minn.	Newville, S. E. Shenk, ---	702	9.26	15.88	15.00
4562	----- The Saeger Milling Co., Allentown, Pa.	Allentown, The Saeger Milling Co.	862	9.40	15.19	-----
4527	----- Schaeffer, Wanner & Co., Fleetwood, Pa.	Fleetwood, Schaeffer, Wanner & Co.	827	10.64	17.06	-----
4552	Pure, H. N. Schleifer, Allentown, Pa.	Allentown, H. N. Schleifer,	852	10.44	15.88	-----
4519	----- Schuykill Flour Mills, Leesport, Pa.	Reading, Strunk & Moyer,--	819	10.00	15.81	-----
4973	----- Scott Logan Milling Co., Sheldon, Ia.	New Castle, F. W. Hutehison & Son.	1273	8.77	16.13	13.00
4849	----- The Security Flour Mills, Abilene, Kan.	Catawissa, M. J. Grimes & Bro.	1149	7.18	16.38	-----
4999	----- Sharon Milling Co., Sharon, Pa.	Sharon, Sharon Milling Co.,	1299	8.80	16.00	-----
4294	----- Sleepye Milling Co., Sleepye, Minn.	Lindsey, Lindsey Milling Co.	594	10.15	16.94	15.10
3854	----- Sleepye Milling Co., Sleepye, Minn.	Wellsboro, B. Schrader & Son.	154	8.81	16.38	15.10
3915	----- The Southwestern Milling Co., Kansas City, Mo.	Kane, J. A. Stoll & Co.,--	215	9.54	16.19	14.00
4282	----- Spanogle-Yeager Milling Co., Lewistown, Pa.	Lewistown, Spanogle-Yeager Milling Co.	582	9.48	17.63	-----
4724	Pure, Standard-Tilton Milling Co., St. Louis, Mo.	Osceola Mills, Brown, Baird & Reeve.	1024	9.13	18.56	14.00
5157	Pure Winter, Standard-Tilton Milling Co., St. Louis, Mo.	Canonsburg, Canonsburg Milling Co.	1457	10.96	16.88	14.50
4028	Pure, Standard-Tilton Milling Co., St. Louis, Mo.	McKeesport, A. Davison, --	328	11.23	18.44	14.00
4582	----- Standard Tilton Milling Co., St. Louis, Mo.	Mt. Union, J. E. Ewing, --	882	8.64	18.60	14.00
3979	----- Standard-Tilton Milling Co., St. Louis, Mo.	Greensburg, McFarland Supply Co.	279	10.57	18.06	14.00
5059	Pure, Star & Crescent Milling Co., Chicago, Ill.	Union City, Haniel Clark & Co.	1359	8.46	16.38	15.00
5199	Pure, Star & Crescent Milling Co., Chicago, Ill.	Braddock, C. B. Marriott & Sons.	1499	9.54	15.19	15.00
4063	Stocks, F. W. Stock & Sons, Hillsdale, Mich.	Apollo, L. Todd Owens, ---	363	9.53	16.31	-----
5058	Pure, W. H. Stokes Milling Co., Watertown, S. Dak.	Union City, Haniel Clark & Co.	1358	7.89	15.56	15.00
4465	----- C. F. & W. H. Strickler Milling Co., Lebanon, Pa.	Lebanon, C. F. & W. H. Strickler Milling Co.	765	9.31	17.94	-----
3747	----- Swope Bros., Johnstown, Pa.	Johnstown, Swope Bros., --	47	9.74	15.81	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$28 00	Pure and unadulterated wheat bran.	As certified, -----	3972
5.78	4.00	10.24	9.50	1 75	Wheat bran, -----	As certified, -----	4710
5.45	4.00	12.02	9.50	30 00	Pure and unadulterated wheat bran.	As certified, -----	4627
5.23	4.00	10.85	9.50	1 40	Pure and unadulterated wheat bran.	As certified, -----	4687
5.20	4.00	11.71	9.50	1 60	Pure wheat bran, -----	As certified, -----	5183
4.10	3.00	8.47	-----	1 50	Pure hard wheat bran, --	As certified, -----	4315
5.70	4.00	11.17	11.00	28 00	Pure hard wheat coarse bran.	Wheat bran and small amount corn cockle and oat hulls.	4134
6.23	4.00	11.48	11.00	27 00	Pure wheat bran, -----	As certified, -----	3710
5.55	4.00	11.84	11.00	27 00	-----	Wheat bran, -----	4402
5.25	4.00	11.30	11.03	1 30	Wheat bran, -----	As certified, -----	4562
4.78	-----	9.00	-----	1 25	Wheat bran, -----	As certified, -----	4527
4.25	-----	7.50	-----	1 30	Pure wheat bran, -----	As certified, -----	4552
4.83	-----	7.95	-----	1 30	Wheat bran, -----	As certified, -----	4519
5.38	-----	10.90	-----	1 30	-----	Wheat bran, -----	4973
4.95	4.00	10.41	7.00	1 30	Wheat bran, -----	As certified, -----	4849
4.58	-----	10.22	-----	1 30	Wheat bran, -----	As certified, -----	4999
4.45	-----	9.10	-----	1 50	Pure wheat bran, -----	As certified, -----	4294
5.18	3.70	8.65	11.00	30 00	Pure wheat bran, -----	As certified, -----	3854
5.10	3.70	8.58	11.00	29 00	-----	Wheat bran, -----	3915
4.45	4.50	9.70	10.00	28 00	Wheat bran, -----	As certified, -----	4282
4.33	-----	8.20	-----	1 50	Made from pure wheat, --	As certified, -----	4724
4.45	3.50	8.37	-----	25 00	Made from pure wheat, --	As certified, -----	5157
4.60	4.00	8.49	9.50	30 00	Made from pure wheat, --	As certified, -----	4028
4.58	3.50	8.09	-----	28 00	Made from pure wheat, --	As certified, -----	4582
4.50	3.50	8.65	-----	29 00	Made from pure wheat, --	As certified, -----	3979
4.50	3.50	8.20	-----	1 25	Pure wheat bran, -----	As certified, -----	5059
5.53	4.00	10.25	10.00	1 65	Pure wheat bran, -----	As certified, -----	5199
5.20	4.00	9.02	10.00	1 55	Pure winter wheat bran, --	As certified, -----	4063
4.68	-----	8.73	-----	1 25	Pure wheat bran, -----	As certified, -----	5058
5.35	4.00	12.02	9.79	25 00	Wheat bran, -----	As certified, -----	4465
5.80	-----	8.57	-----	30 00	Wheat bran, -----	As certified, -----	3747
5.40	-----	11.04	-----				

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
4235	----- Tennant & Hoyt Co., Lake City, Minn.	Hanover, George Hull & Sons.	535	10.48	16.44	15.00
4169	Pure, Tennant & Hoyt Co., Lake City, Minn.	Elizabethtown, E. H. Lehman.	469	9.76	16.81	13.20
4227	Fancy, George Tileston Milling Co., St. Cloud, Minn.	Hanover, Hanover Feed & Coal Co.	527	9.33	15.69	14.00
3906	Winter, The Toledo Grain & Milling Co., Toledo, Ohio.	Ridgway, Hall, Kaul & Hyde Co.	206	10.38	15.50	-----
5031	Winter, The Toledo Grain & Milling Co., Toledo, Ohio.	Tionesta, G. W. Robinson & Son.	1331	9.54	15.50	-----
3959	Winter, The Toledo Grain & Milling Co., Toledo, Ohio.	Ridgway, Smith Bros. Co.,	259	11.10	15.94	-----
4689	----- Tyrone Milling Co., Tyrone, Pa.	Tyrone, Tyrone Milling Co.,	989	9.95	16.25	-----
3927	----- George Urban Milling Co., Buffalo, N. Y.	Bradford, L. A. Fiseher & Co.	227	9.45	17.13	-----
3911	Valier's, Valier & Spies Milling Co., Marine, Ill.	St. Marys, L. Ritter, -----	211	9.80	15.19	14.50-17
4713	----- G. Y. Wagner, Bellefonte, Pa.	Philipsburg, Philipsburg Milling, Lighting and Heating Co.	1013	9.94	16.69	-----
5153	----- Waynesburg Milling Co., Waynesburg, Pa.	Waynesburg, Waynesburg Milling Co.	1453	9.18	16.38	-----
4632	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Altoona, Altoona Feed Mills	932	10.05	16.19	14.50
4443	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Middletown, S. J. Baer, --	743	10.03	16.31	14.50
3926	----- Washburn-Crosby Co., Minneapolis, Minn.	Johnsonburg, Cash Wholesale Co.	226	9.77	16.63	14.50
4591	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Bedford, Davidson Bros., -	891	8.68	16.75	14.50
4131	----- Washburn-Crosby Co., Minneapolis, Minn.	Lancaster, Esbenschade & Co.	431	9.51	17.38	14.50
4479	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Myerstown, Z. T. Gingrieh,	779	9.53	16.13	14.50
4242	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Coatesville, P. D. Handwork Co.	542	8.73	17.69	14.50
4440	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Harrisburg, Hoffer & Garman.	740	10.39	15.94	14.50
4778	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Milton Thomas R. Hull, -	1078	8.35	16.81	14.50
4503	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Reading, Reading Grain Co.	803	8.77	16.69	14.50
4285	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	McVeytown, John T. Rodgers.	585	9.70	17.13	14.50
4587	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Mt. Union, David Rummel,	887	9.34	16.44	14.50
4962	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Butler, B. F. Shannon & Co.	1262	9.72	15.25	14.50
4281	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Lewistown, Spanogle, Yeager Milling Co.	581	9.22	17.81	14.50
4569	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Huntingdon, Stouffer and Breneman.	869	8.89	16.31	14.50
4420	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Mt. Holly Springs, J. N. Weigel.	720	8.57	16.75	14.50
4489	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Reading, Aug. C. Wertz & Bro.	789	8.44	15.31	14.50
4363	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Waynesboro, West & West,	663	9.79	16.38	14.50
4902	Hard Wheat Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Wilkes-Barre, Wilkes-Barre Milling Co.	1202	7.95	16.50	14.50
4840	Feedwell, Wells Flour Milling Co., Wells, Minn.	Bloomsburg, Bloomsburg Roller Mills.	1140	8.58	15.88	13.50
4980	Choice Winter, M. Weltin, Quiney, Ill.	Harmony, Harmony Cereal Co.	1280	10.10	15.50	14.30

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$25 00	-----	Wheat bran, -----	4235
5.60	-----	9.90	-----	26 00	Pure wheat bran, -----	As certified, -----	4169
5.80	4.90	10.10	13.10	27 00	Pure wheat bran, -----	As certified, -----	4227
5.43	4.00	10.95	12.00	1 60	Pure and unadulterated wheat bran.	As certified, -----	3906
4.85	-----	9.96	-----	1 50	Pure and unadulterated wheat bran.	As certified, -----	5031
4.30	-----	8.42	-----	1 75	Pure and unadulterated wheat bran.	As certified, -----	3959
4.68	-----	9.08	-----	27 00	Wheat bran, -----	As certified, -----	4689
3.58	-----	8.47	-----	28 00	Wheat bran, -----	As certified, -----	3927
5.85	-----	10.39	-----	30 00	Pure winter wheat, -----	As certified, -----	3911
5.13	3.50-5	9.25	5-10	1 75	Pure winter wheat bran,	As certified, -----	4713
4.00	-----	9.27	-----	29 00	Wheat bran, -----	As certified, -----	5153
4.15	-----	8.05	-----	1 40	Pure hard wheat bran, --	As certified, -----	4632
4.80	4.00	11.37	11.00	25 00	Pure hard wheat coarse bran.	As certified, -----	4443
5.50	4.00	10.90	11.00	29 00	Unadulterated wheat bran.	As certified, -----	3926
5.90	4.00	10.56	11.00	1 25	Pure hard wheat coarse bran.	As certified, -----	4591
5.78	4.00	10.40	11.00	27 50	Pure hard wheat coarse bran.	Wheat bran, considerable amount of chaff and small amount of flax seed and corn cobbles.	4131
6.55	4.00	10.46	11.00	24 00	Pure hard wheat bran, --	As certified, -----	4479
5.50	4.00	10.60	11.00	24 50	Pure hard wheat coarse bran.	As certified, -----	4242
6.40	4.00	10.00	11.00	25 00	Unadulterated coarse wheat bran.	As certified, -----	4440
5.33	4.00	10.32	11.00	1 50	Pure hard wheat coarse bran.	As certified, -----	4778
5.45	4.00	10.12	11.00	25 00	Unadulterated coarse wheat bran.	As certified, -----	4503
5.80	4.00	10.90	11.00	1 50	Pure hard wheat bran, --	As certified, -----	4285
5.98	4.00	10.20	11.00	1 40	Pure hard wheat coarse bran.	As certified, -----	4587
5.70	4.00	11.25	11.00	25 00	Pure hard wheat bran, --	As certified, -----	4962
5.25	4.00	10.70	11.00	27 00	Pure hard wheat bran, --	As certified, -----	4281
5.78	4.00	9.20	11.00	28 00	Pure hard wheat coarse bran.	As certified, -----	4569
6.10	4.00	11.00	11.00	1 35	Pure hard wheat coarse bran.	As certified, -----	4420
5.50	4.00	10.72	11.00	24 00	Pure hard wheat coarse bran.	As certified, -----	4489
5.28	4.00	11.65	11.00	23 00	Pure hard wheat coarse bran.	As certified, -----	4363
5.70	4.00	11.42	11.00	1 45	Pure wheat bran, -----	As certified, -----	4902
5.33	4.00	11.55	11.00	27 00	Pure and unadulterated wheat bran.	As certified, -----	4840
5.35	4 00	12.35	12.50	1 30	Made from pure wheat,	As certified, -----	4980
4.56	3.55	8.52	-----				

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
4492	Pure, George W. Wertz, Wernersville, Pa.	Reading, George W. Wertz,	792	Per ct. 9.05	Per ct. 16.25	-----
4498	----- Wertz Milling Co., Reading, Pa.	Reading, Wertz Milling Co.,	798	9.82	17.25	-----
4384	Black Hawk, Western Flour Mill Co., Davenport, Iowa.	Shippensburg, Allison and Fogelsonger.	684	10.00	16.44	13.50
3715	Black Hawk, Western Flour Mill Co., Davenport, Iowa.	Homer City, A. George and Son.	15	12.45	15.75	14.00
4228	Black Hawk, Western Flour Mill Co., Davenport, Iowa.	Hanover, Hanover Feed & Coal Co.	528	8.90	17.00	14.00
4804	Black Hawk, Western Flour Mill Co., Davenport, Iowa.	Lewisburg, Wolf & Shultz,	1104	10.01	15.50	13.50
4997	Star Winter, The Western Star Mill Co., Salina, Kans.	Sharon, J. M. Porter, ---	1297	9.24	17.06	14-17
4012	Star Winter, The Western Star Mill Co., Salina, Kans.	Scottdale, J. E. Pritts, ---	312	10.94	18.69	14-17
4845	----- The White Milling Co., Bloomsburg, Pa.	Bloomsburg, The White Milling Co.	1145	8.45	16.56	-----
4592	----- Winnebago Flour Mills Co., Winnebago, Minn.	Bedford, N. M. Diehl, ---	892	9.29	16.13	14.00
4018	----- Winnebago Flour Mills Co., Winnebago, Minn.	Uniontown, Hogsett & Hankins.	318	9.65	15.25	14.00
4581	----- E. S. Woodworth & Co., Minneapolis, Minn.	Mt. Union, J. E. Ewing, -	881	8.95	16.00	14.50
4015	Snow's Flaky, E. S. Woodworth & Co., Minneapolis, Minn.	Uniontown, W. S. Smith,--	315	9.67	15.88	14.25
4620	----- Isaac Woomer, Graysville, Pa.	Altoona, Martin & Co., --	920	9.74	15.63	-----
4511	----- A. Yocom's Sons & Co., Reading, Pa.	Reading, A. Yocom's Sons & Co.	811	10.05	16.75	-----
4812	----- J. F. Youngman, Selinsgrove, Pa.	Selinsgrove, J. F. Youngman.	1112	9.36	17.00	-----
5130	"Z" pure, Zenith Milling Co., Kansas City, Mo.	Somerset, Saylor & Woy,--	1430	10.20	14.75	14.50
5164	"P," Unknown, -----	Canonsburg, Canonsburg Milling Co.	1464	9.16	17.19	-----
5093	Pure, Unknown, -----	Pottstown, W. H. Moser, -	1393	9.50	15.38	-----
3920	----- Unknown, -----	Kane, Swanson Grocery Co.	220	10.82	16.38	-----
		Average, -----		9.48	16.37	-----
	RYE OFFALS.					
	Rye Middlings.					
4766	----- Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall	1066	10.17	17.19	-----
4839	----- Bloomsburg Roller Mills, Bloomsburg, Pa.	Bloomsburg, Bloomsburg Roller Mills.	1139	9.53	15.75	-----
4541	Eagle, J. B. A. Kern & Sons, Milwaukee, Wis.	Allentown, Frank J. Erdman.	841	9.70	16.19	15.50
4098	Pure Eagle, J. B. A. Kern & Sons, Milwaukee, Wis.	New Brighton, J. H. Hornby & Sons.	398	9.89	16.25	13.30
4408	Eagle, J. B. A. Kern & Sons, Milwaukee, Wis.	Carlisle, S. B. Jackson, ---	708	10.41	15.56	15.50
4109	Pure Eagle, J. B. A. Kern & Sons, Milwaukee, Wis.	Lancaster, Nein & Fisher, -	409	10.89	16.00	13.30
4929	----- Miner-Hillard Milling Co., Miner's Mills, Pa.	Seranton, Miner-Hillard Milling Co.	1229	1.52	14.69	-----
4555	----- Miner-Hillard Milling Co., Miner's Mills, Pa.	Allentown, H. N. Schleifer,	855	9.88	15.06	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
5.33	-----	9.50	-----	\$1 40	Pure wheat bran, -----	As certified, -----	4492
4.45	-----	7.12	-----	24 00	Wheat bran, -----	As certified, -----	4498
5.35	4.00	10.15	12.50	26 00	Wheat bran, -----	As certified, -----	4384
5.23	4.35	10.80	10.50	26 00	Purity guaranteed, -----	As certified, -----	3715
5.10	4.03	9.42	12.00	27 00	Weight and purity guaranteed.	As certified, -----	4228
4.75	4.00	10.97	12.50	26 00	Wheat bran, -----	As certified, -----	4804
5.00	3-5	9.70	-----	26 00	Pure winter wheat bran,	As certified, -----	4997
4.25	3-5	9.03	-----	28 00	Wheat bran, -----	As certified, -----	4012
4.88	-----	9.80	-----	26 00	Wheat bran, -----	As certified, -----	4845
5.10	4.00	10.30	-----	1 20	-----	Wheat bran, -----	4592
5.10	4.00	10.11	-----	30 00	-----	Wheat bran, -----	4018
5.20	4.00	6.60	11 00	28 00	-----	Wheat bran, -----	4581
5.25	4.00	10.32	12.00	1 50	Pure wheat product, -----	As certified, -----	4015
4.30	-----	9.70	-----	32 00	Pure wheat bran, -----	As certified, -----	4620
4.70	-----	7.62	-----	25 00	Wheat bran, -----	As certified, -----	4511
4.50	-----	10.02	-----	26 00	Wheat bran, -----	As certified, -----	4812
4.95	5.60	10.27	13.50	1 40	Pure wheat bran, -----	As certified, -----	5130
4.38	-----	8.93	-----	25 00	Pure and unadulterated,	As certified, -----	5164
4.55	-----	8.67	-----	1 35	Wheat bran, -----	As certified, -----	5033
4.85	-----	8.57	-----	30 00	-----	Wheat bran, -----	3920
5.14	-----	9.78	-----	27 66	-----	-----	-----
3.55	-----	4.85	-----	1 30	Rye middlings, -----	As certified, -----	4766
3.58	-----	4.35	-----	30 00	Rye middlings, -----	As certified, -----	4839
3.68	3.25	7.51	4.60	1 30	Pure eagle rye middlings,	As certified, -----	4541
3.88	3.25	5.27	4.00	1 30	-----	Rye middlings, -----	4098
3.80	3.25	6.27	4.60	1 50	Pure eagle rye middlings,	As certified, -----	4408
3.95	3.25	6.12	4.60	1 50	-----	Rye middlings, -----	4109
3.40	-----	4.27	-----	27 00	Rye middlings, -----	As certified, -----	4929
3.55	-----	3.95	-----	1 35	Pure rye middlings, -----	As certified, -----	4555

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
4767	----- New Uhn Feed & Cereal Mill Co., New Uhn, Minn.	Shamokin, Shamokin Milling Co.	1067	Per ct. 10.52	Per ct. 17.31	Per ct. 14.00
4885	----- Samuel Raub & Son, Luzerne, Pa.	Wilkes-Barre, Robbins Milling Co.	1185	10.75	15.44	-----
4969	Pure, Washburn-Crosby Co., Minneapolis, Minn.	New Castle, Fisher & Mengle.	1269	9.78	17.06	14.00
	Mixed Feed. Rye By-Products.	Average, -----		10.09	16.05	-----
3860	----- The Birkett Mills, Penn Yan, N. Y.	Westfield, L. Plank, -----	160	9.81	15.25	-----
3880	----- Eulalia Milling Co., Coudersport, Pa.	Coudersport, Eulalia Milling Co.	180	10.41	14.13	-----
4521	Pure, Oseeola Mill and Elevator Co., St. Croix Falls, Wis.	Kutztown, John A. Sehwoyer.	821	11.10	16.38	-----
	WHEAT AND RYE OFFALS.	Average, -----		10.44	15.25	-----
	Wheat and Rye Middlings.					
4783	----- Blank & Gottshall, Sunbury, Pa.	Milton, E. Datesman, -----	1083	9.90	17.09	15-16
4894	----- Mauser Mill Co., Treichlers, Pa.	Wilkes-Barre, Kirkendall Son Co.	1194	10.20	17.81	12-16
4895	----- Mauser Mill Co., Laurys, Pa.	Wilkes-Barre, Kirkendall Son Co.	1195	11.03	15.94	12-16
4773	----- Mauser Mill Co., Laurys, Pa.	Mt. Carmel, Schneider Bros.	1073	11.43	15.56	12-16
4906	----- Mauser Mill Co., Laurys, Pa.	Hazleton, John G. Seager's Sons.	1206	10.39	14.81	12-16
	Wheat and Rye Bran.	Average, -----		10.59	16.36	-----
4336	----- Crouch Bros. Co., Erie, Pa.	Loek Haven, F. H. Dyer.	636	9.28	17.81	-----
4727	----- Crouch Bros. Co., Erie, Pa.	DuBois, A. T. Sprankle, --	1027	8.65	17.38	15.00
1893	----- Mauser Mill Co., Treichlers, Pa.	Wilkes-Barre, Kirkendall Son Co.	1193	8.12	16.00	12-16
	BUCKWHEAT OFFALS.	Average, -----		8.68	17.06	-----
	Buckwheat Middlings.					
3822	----- H. C. Rolison, Troy, Pa.	Troy, H. C. Rollson, -----	122	12.89	31.19	-----
	Buckwheat Feeds.					
3861	----- The Birkett Mills, Penn Yan, N. Y.	Westfield, L. Plank, -----	161	11.53	15.56	13.00
3814	----- Cayuta Mills, Sayre, Pa.	Sayre, Cayuta Mills, -----	114	11.27	18.06	-----
3797	----- Creseent Roller Mill, Ulster, Pa.	Ulster, Creseent Roller Mill,	97	10.26	12.91	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$26 00	-----	Rye middlings, -----	4767
3.70	3.00	5.32	5.50				
3.05	-----	4.97	-----	30 00	Rye middlings, -----	As certified, -----	4885
3.80	3.00	4.75	6.00	1 40	Pure rye middlings, -----	As certified, -----	4969
3.63	-----	5.23	-----	27 82			
3.55	-----	4.66	-----	1 60	Rye bran and rye middlings.	As certified, -----	3860
3.20	-----	3.33	-----	26 00	Rye feed, -----	As certified, -----	3880
3.23	-----	4.42	-----	1 35	Rye feed, -----	As certified, -----	4521
3.33	-----	4.13	-----	28 33			
5.33	4.50-5	5.30	4-4.50	1 60	Wheat and rye middlings,	As certified, -----	4783
5.40	3-4	7.55	6-10	1 45	Wheat and rye red middlings.	As certified, -----	4894
3.90	4-6	4.57	5-10	1 70	Wheat and rye "W" middlings.	As certified, -----	4895
4.20	4-6	4.47	5-10	1 55	Wheat and rye "W" middlings.	As certified, -----	4773
3.85	4-6	4.22	5-10	1 50	Wheat and rye "W" middlings.	As certified, -----	4906
4.54	-----	5.22	-----	31 20			
5.50	-----	8.05	-----	1 50	Pure and unadulterated wheat and rye bran.	As certified, -----	4333
4.53	4.50	7.52	9.50	1 40	Wheat and rye bran, ---	As certified, -----	4727
4.88	3-4	10.02	6-10	1 45	Wheat and rye bran, ---	As certified, -----	4893
4.97	-----	8.53	-----	29 00			
8.58	-----	3.31	-----	32 00	-----	Buckwheat middlings.	3822
4.15	3.00	25.07	29.00	1 20	Pure buckwheat feed, ---	As certified, -----	3861
4.90	-----	21.56	-----	16 00	-----	Buckwheat feed, -----	3814
3.51	-----	27.23	-----	22 00	Buckwheat, -----	As certified, -----	3797

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
3792	----- Dayton Milling Co., Towanda, Pa.	Towanda, Dayton Milling Co.	92	Per ct. 11.06	Per ct. 16.38	-----
3891	----- Port Allegany Milling Co., Port Allegany, Pa.	Port Allegany, Port Allegany Milling Co.	191	11.27	16.13	-----
	Average, -----			11.07	16.81	-----
ALFALFA MEALS.						
4266	Acme, American Alfalfa Food Co., Wichita, Kans.	West Chester, E. D. Hempbill.	566	7.75	14.44	14.00
4113	----- American Milling Co., Chicago, Ill.	Lancaster, John W. Eshelman.	413	7.09	18.75	-----
5089	Briggs Pure, Clarence S. Briggs, Fowler, Colo.	Pottstown, W. H. Saylor & Son.	1389	6.74	13.06	12-14
4239	Great Western, The Great Western Cereal Co., Chicago, Ill.	Coatesville, J. T. Gay & Son.	539	8.40	16.44	12.00
4987	Great Western, The Great Western Cereal Co., Chicago, Ill.	Mercer, I. J. Pizor & Son.	1287	6.85	15.44	12.00
4706	Great Western, The Great Western Cereal Co., Chicago, Ill.	Philipsburg, Wolf's Mill, --	1006	7.67	17.19	14.00
4723	H. & S., Dwight E. Hamlin & Co., Pittsburg, Pa.	Osceola Mills, Brown, Baird & Reeve.	1023	*13.73	*14.38	16.00
3757	----- Hunter Bros., Milling Co., St. Louis, Mo.	Johnstown, McDermott, Wertz & Co.	57	7.07	11.10	-----
5098	Pure, The Kansas Pure Alfalfa Milling Co., Wichita, Kans.	Chester, Chester Milling Co.	1398	7.68	16.44	16.00
4048	Pure, The Kansas Pure Alfalfa Milling Co., Wichita, Kans.	Monessen, J. H. Farquhar,	348	7.09	12.81	16.00
4914	Pioneer, Kornfalfa Feed Milling Co., Kansas City, Mo.	Nanticoke, Bergin & Co.,	1214	6.24	14.35	15.00
4951	Pioneer, Kornfalfa Feed Milling Co., Kansas City, Mo.	Butler, H. J. Klingler & Co.	1251	6.58	15.06	15.00
5017	"Lucern," M. C. Peters Mill Co., Omaha, Neb.	Oil City, New Model Milling Co.	1317	7.30	16.13	12.00
4776	----- The Quaker Oats Co., Chicago, Ill.	Mt. Carmel, Schnieder Bros.	1076	8.78	12.75	14.00
4756	Square Deal, Russell Grain Co., Kansas City, Mo.	Sunbury, Blank & Gottshall.	1056	6.96	14.50	12.00
3975	Square Deal, Russell Grain Co., Kansas City, Mo.	Greensburg, McFarland Supply Co.	275	6.90	12.25	14.00
4010	----- Salina Alfalfa Meal Co., Salina, Kans.	Scottdale, J. E. Pritts, ---	310	7.42	13.94	-----
3752	----- Joe A. Stahl Hay Co., Kansas City, Kans.	Johnstown, Swope Bros.,	52	8.30	15.09	-----
3743	Alfalfa Clover, Swope Bros., Johnstown, Pa.	Johnstown, J. Thomas & Sons.	43	9.31	15.44	-----
4928	----- Unknown, -----	Scranton, Miner-Hillard Milling Co.	1228	7.49	14.75	-----
	Average, -----			7.45	14.76	-----
4042	June Pasture Dairy Meal, M. C. Peters Mill Co., Omaha, Neb.	Charleroi, R. C. Mountser.	342	18.21	11.31	10.00
5016	June Pasture Dairy Meal, M. C. Peters Mill Co., Omaha, Neb.	Oil City, New Model Milling Co.	1316	15.09	11.86	10.00
4056	Peters' Alfalfa-Fat Sugar Meal, M. C. Peters Mill Co., Omaha, Neb.	Pittsburg, I. W. Scott Co.,	356	15.35	13.04	10.00

*Excluded from average.

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.35	-----	24.44	-----	\$22 00	-----	Buckwheat feed, -----	3792
4.43	-----	18.88	-----	1 30	Buckwheat, -----	As certified, -----	3891
4.27	-----	23.44	-----	22 00			
2.20	1.92	29.79	13-17	28 00	-----	Alfalfa meal, -----	4266
3.05	-----	23.37	-----	29 00	-----	Alfalfa meal, -----	4113
1.65	1.50-2	33.80	31-34	1 50	-----	Alfalfa meal, -----	5089
2.35	2.00	27.77	24.00	1 45	Prime alfalfa meal, -----	As certified, -----	4239
1.95	2.00	32.48	30.00	1 40	Made from prime alfalfa,	As certified, -----	4987
2.03	2.00	25.42	24.00	1 50	Prime alfalfa, -----	As certified, -----	4706
*3.82	3.50	*12.60	16.00	*2 00	Alfalfa, molasses, and brewers' grains. .	As certified, -----	4723
2.52	-----	34.83	-----	1 50	-----	Alfalfa meal, -----	3757
2.30	2.02	26.00	-----	1 60	Pure alfalfa meal, -----	As certified, -----	5098
2.25	2.02	33.85	-----	1 25	Pure alfalfa meal, -----	As certified, -----	4048
1.75	2.00	34.92	22.00	1 50	-----	Alfalfa meal, -----	4914
2.00	2.00	29.58	22.00	1 60	-----	Alfalfa meal, -----	4951
2.20	2.00	29.12	33.00	24 00	Alfalfa meal, -----	As certified, -----	5017
2.15	2.00	32.17	42.00	1 50	-----	Alfalfa meal, -----	4776
2.15	1.50	31.28	25.00	1 50	-----	Alfalfa meal, -----	4756
2.48	1.50	34.11	25.00	1 30	-----	Alfalfa meal, -----	3975
2.50	-----	29.85	-----	28 00	Pure alfalfa meal, -----	As certified, -----	4010
3.13	-----	25.77	-----	1 50	-----	Alfalfa meal, -----	3752
3.90	-----	24.96	-----	1.65	-----	Alfalfa meal, -----	3743
2.00	-----	30.92	-----	27 00	-----	Alfalfa meal, -----	4928
2.35	-----	29.99	-----	29 00			
1.65	0.50	17.47	26.00	1 60	Pure ground alfalfa and fine syrup.	As certified, -----	4042
1.15	0.50	19.33	26.00	28 00	Pure ground alfalfa and fine syrup.	As certified, -----	5016
1.54	0.50	12.20	26.00	30 25	Alfalfa and syrup, -----	As certified, -----	4056

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4054	June Pasture Dairy Meal, M. C. Peters Mill Co., Omaha, Neb.	Pittsburg, I. W. Scott Co.,	354	Per ct. 12.95	Per ct. 14.35	Per ct. 10.00
4222	June Pasture Dairy Meal, M. C. Peters Mill Co., Omaha, Neb.	York, Strayer Bros. Co.,	522	15.39	13.58	10.00
		Average, -----		15.39	12.83	-----
BEET PULP.						
3753	----- The Larrowe Milling Co., Detroit, Mich.	Johnstown, G. Bostert & Son.	53	5.00	9.25	8.00
4424	----- The Larrowe Milling Co., Detroit, Mich.	Mechanicsburg, A. B. Har-nish.	724	7.75	9.06	8.00
3967	----- The Larrowe Milling Co., Detroit, Mich.	Latrobe, Latrobe Whole-sale Grocery Co.	267	7.34	9.31	8.00
3800	----- The Larrowe Milling Co., Detroit, Mich.	Ulster, P. C. Pierce, ----	100	6.59	8.94	8.00
5121	----- The Larrowe Milling Co., Detroit, Mich.	Windber, Weaver & Ber-key.	1421	6.45	8.13	8-10
4250	----- The Larrowe Milling Co., Detroit, Mich.	Downingtown, Wells & Walker.	550	6.90	9.25	8.00
4178	----- The Larrowe Milling Co., Detroit, Mich.	Elizabethtown, A. W. Mar-tin.	478	6.50	9.06	8.00
3706	----- Owosso Sugar Co., Owosso, Mich.	Blairsville, George J. New,	6	7.22	8.63	8.00
3744	----- Owosso Sugar Co., Owosso, Mich.	Johnstown, J. Thomas & Sons.	44	6.85	9.25	8.00
3721	----- Owosso Sugar Co., Owosso, Mich.	Indiana, James St. Clair,	21	7.87	8.69	8-10
3748	----- Owosso Sugar Co., Owosso, Mich.	Johnstown, Swope Bros.,	48	8.19	8.81	8.00
		Average, -----		6.97	8.94	-----
MIXED FEEDS.						
Proprietary Dairy and Stock Feeds.						
3882	Aeme Feed, Aeme Milling Co., Olean, N. Y.	Coudersport, Gates Bros.,	182	11.94	8.88	7.00
3856	Aeme Feed, Aeme Milling Co., Olean, N. Y.	Westfield, H. Z. Pride & Son.	156	10.50	8.44	7.00
		Average, -----		11.22	8.66	-----
4629	Dairy Feed, Altoona Feed Mills, Altoona, Pa.	Altoona, Altoona Feed Mills.	929	10.17	7.63	8-9
4385	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Shippensburg, Allison & Fogelsonger.	685	10.90	15.93	16.50
4641	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Altoona, Central Feed Co.,	941	10.24	15.64	16.50

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.30	Per ct. 0.50	Per ct. 15.56	Per ct. 26.00	\$30 00	Pure ground alfalfa and fine syrup.	As certified, -----	4054
1.42	0.50	15.74	26.00	1 50	Pure ground alfalfa and fine syrup.	As certified, -----	4222
1.61	-----	16.07	-----	30 05			
0.80	0.50	18.09	20.00	25 00	Residue of sugar beets, --	As certified, -----	3753
1.10	0.50	17.72	20.00	25.00	Residue of sugar beets dried.	As certified, -----	4424
1.30	0.50	18.40	20.00	26 00	Residue of sugar beets, --	As certified, -----	3967
1.45	0.50	18.42	20.00	1 30	Residue of sugar beets, --	As certified, -----	3800
1.30	0.5-1	18.70	17.50	1 15	-----	Dried beet pulp, ----	5121
1.28	0.50	17.16	20.00	25 00	Residue of sugar beets dried.	As certified, -----	4250
1.03	0.50	15.34	20.00	25 00	Residue of sugar beets mixed with molasses and dried.	As certified, -----	4178
1.13	0.50	13.95	20.00	27 00	Residue of sugar beets, --	As certified, -----	3706
1.10	0.50	18.30	20.00	1 38	Residue of sugar beets, --	As certified, -----	3744
1.30	0.5-1	19.67	17.50	1 35	-----	Dried beet pulp, ----	3721
0.93	0.50	19.06	20.00	28 00	Residue of sugar beets, --	As certified, -----	3748
1.16	-----	17.71	-----	25 87			
4.35	3.00	6.06	9.00	1 50	Corn, hominy and oat hulls.	As certified, -----	3882
4.95	3.00	7.22	9.00	30 00	Corn, hominy and oat hulls.	As certified, -----	3856
4.65	-----	6.64	-----	30 00			
3.25	4-5	7.95	9.00	1 55	Corn, oat middlings, oat hulls.	As certified, -----	4629
5.06	3.50	12.28	12.00	26 00	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and small amount of weed seeds.	4385
4.33	3.50	13.01	12.00	1 50	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oats, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, mixed broken grains from wheat, oats, buckwheat, and barley screenings, molasses, salt and small amount of weed seeds.	4641

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4833	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Danville, Danville Milling Co.	1133	Per ct. 12.96	Per ct. 15.15	Per ct. 16.50
4784	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Milton, E. Datesman, ----	1084	11.57	15.81	16.50
4030	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	McKeesport, A. Davison,--	330	12.04	15.47	16.50
4377	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Chambersburg, Diehl, Omwake & Diehl.	677	9.91	16.34	16.50
5124	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Somerset, John G. Emert,	1424	13.02	15.39	16.50
4130	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Lancaster, Esbenschade & Co.	430	10.61	15.11	16.50
4112	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Lancaster, John W. Eschelman,	412	11.59	17.05	16.50
4034	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Monongahela, D. E. Gamble.	334	12.93	15.19	16.50
3718	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Homer City, A. George & Son.	18	11.43	16.24	16.50

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
4.30	3.50	12.72	12.00	\$25 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oats, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, mixed broken grains from wheat, oats, buckwheat and barley screenings, molasses, salt and small amount of weed seeds.	4833
5.28	3.50	12.77	12.00	1 45	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and considerable proportion of weed seeds.	4784
4.35	3.50	12.22	12.00	28 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and small amount of weed seeds.	4030
5.61	3.50	12.62	12.00	26 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and small amount of weed seeds.	4377
3.74	3.50	11.99	12.00	28 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oats, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, mixed broken grains from wheat, oats, buckwheat and barley screenings, molasses, salt and small amount of weed seeds.	5124
6.07	3.50	12.29	12.00	26.50	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and considerable proportion of weed seeds.	4130
5.53	3.50	12.86	12.00	26 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and considerable proportion of weed seeds.	4112
4.29	3.50	11.22	12.00	25 00	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and large amount of weed seeds.	4034
5.55	3.50	12.23	12.00	26 00	Cottonseed meal, oats, barley, wheat, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, molasses, salt and considerable proportion of weed seeds.	3718

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4241	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Coatesville, P. D. Handwork Co.	541	Per ct. 9.75	Per ct. 16.70	Per ct. 16.50
5135	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Washington, D. P. Hart,	1435	10.01	16.58	16.50
4265	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	West Chester, E. D. Hemp-hill.	565	10.25	16.25	16.50
4145	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Leaman Place, Harry K. Hershey.	445	10.69	16.43	16.50
4302	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Brookville, Klines Sifter Mills.	602	11.27	16.30	16.50
4150	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Manheim, F. K. Nauman,	450	11.29	16.03	16.50
3712	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Saltsburg, Patterson Milling Co.	12	12.95	14.64	16.50
3830	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Canton, Homer Rockwell,	130	9.86	16.19	16.50
5088	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Pottstown, W. H. Saylor & Son.	1388	10.33	15.22	16.50
4528	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Fleetwood, Schaeffer, Wanner & Co.	828	8.84	17.96	16.50

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
5.12	3.50	10.00	12.00	\$26 00	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and weed seeds.	4241
4.79	3.50	11.58	12.00	24 50	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts and mixed broken grains from wheat, oat, buckwheat and barley screenings, molasses, salt and small amount of weed seeds.	5135
5.21	3.50	14.09	12.00	26 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and small amount of weed seeds.	4265
6.16	3.50	13.45	12.00	27 00	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and considerable proportion of weed seeds.	4145
4.81	3.50	11.76	12.00	28 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and small amount of weed seeds.	4302
4.74	3.50	12.35	12.00	26 50	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and considerable proportion of weed seeds.	4150
4.90	3.50	11.59	12.00	26 00	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and considerable proportion of weed seeds.	3712
6.38	3.50	12.40	12.00	27 00	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and weed seeds.	3830
4.79	3.50	13.47	12.00	1 30	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt, trace of flax seed and weed seeds.	5088
4.80	3.50	11.56	12.00	1 35	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and small amount of weed seeds.	4528

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4532	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Allentown, Geo. B. Shelly Est.	832	Per ct. 10.06	Per ct. 17.50	Per ct. 16.50
4670	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Martinsburg, Skyles, Miller & Co.	970	10.19	15.66	16.50
3701	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Blairsville, Smith & McKelvey.	1	13.79	15.83	16.50
4811	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Mifflinburg, T. E. Spiegel-meyer.	1111	12.26	16.99	16.50
4694	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Tyrone, Tyrone Fuel and Supply Co.	994	10.16	16.79	16.50
5052	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Union City, Union Coal and Supply Co.	1352	10.70	14.26	16.50
3991	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Irwin, T. F. Wilson & Co.	291	11.00	17.03	16.50
4802	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Lewisburg, Wolfe & Shultz,	1102	11.21	16.02	16.50
Average, -----				11.09	16.06	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per cent.	Per cent.	Per cent.	Per cent.				
5.18	3.50	12.15	12.00	\$27 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and considerable proportion of weed seeds.	4532
4.22	3.50	12.62	12.00	25 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grain from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, corn, oats, barley, wheat, malt sprouts, mixed broken grains from wheat, oat, buckwheat and barley screenings, molasses, salt and small amount of weed seeds.	4670
5.14	3.50	11.89	12.00	27 00	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and considerable proportion of weed seeds.	3701
5.29	3.50	12.13	12.00	1 45	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and small amount of weed seeds.	4811
5.00	3.50	12.85	12.00	25 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, mixed broken grains from wheat, oat, buckwheat and barley screenings, molasses, salt and small amount of weed seeds.	4694
3.55	3.50	12.38	12.00	1 25	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, mixed broken grains from wheat, oat, buckwheat and barley screenings, molasses, salt and trace of weed seeds.	5052
4.64	3.50	11.11	12.00	25.50	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and small amount of weed seeds.	3991
5.23	3.50	12.72	12.00	26 00	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, grain screenings, molasses, salt and considerable proportion of weed seeds.	4802
4.97	-----	12.28	-----	25 62			

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
4381	Sucrene Stock Feed, American Milling Co., Chicago, Ill.	Shippensburg, Allison & Fogelsonger.	681	10.61	9.69	10.00
4693	Sucrene Stock Feed, American Milling Co., Chicago, Ill.	Tyrone, Tyrone Fuel and Supply Co.	993	8.11	12.13	10.00
		Average, -----		9.36	10.91	-----
3839	Ubiko Union Grains, Biles Ready Rations, The J. W. Biles Co., Cincinnati, O.	Wellsboro, Geo. C. and F. A. Brooks.	139	7.00	24.94	24.00
5040	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, O.	Titusville, L. S. Clark, --	1340	6.92	23.94	24.00
4036	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, O.	Monongahela, D. E. Gamble.	336	7.57	25.19	24.00
4530	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, O.	Allentown, George B. Shelly Est.	830	7.25	25.94	24.00
4486	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, O.	Reading, Aug. C. Wertz & Bro.	786	7.00	24.25	24.00
		Average, -----		7.14	24.85	-----
3845	Unicorn Dairy Rations, Chapin & Co., Buffalo, N. Y.	Wellsboro, Geo. C. and F. A. Brooks.	145	6.51	26.50	26.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.57	Per ct. 3.50	Per ct. 9.22	Per ct. 13.50	\$30 00	Corn, oats, barley, wheat, buckwheat, linseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4381
3.23	3.50	11.17	13.50	20 00	Corn, oats, barley, wheat, buckwheat, linseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4693
2.90	-----	10.19	-----	30 00			
8.35	7.00	9.35	9.00	34 00	Fourex distillers dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3839
7.68	7.00	9.87	9.00	1 70	Fourex distillers dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5040
8.40	7.00	9.60	9.00	1 75	Fourex distillers dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4036
8.20	7.00	9.65	9.00	34 00	Fourex distillers dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4530
8.13	7.00	9.90	9.00	33 00	Fourex distillers dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4486
8.15	-----	9.67	-----	34 00			
7.83	6.00	9.31	9-10	34 00	Ajax flakes (distillers feed), green diamond cottonseed meal, green diamond hominy, wheat or corn, gluten feed, barley feed and sprouts, pure wheat bran, guaranteed free from salt, molasses, screenings, or weed seeds.	As certified, -----	3845

TABLE IX.--ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5070	Unicorn Dairy Rations, Chapin & Co., Buffalo, N. Y.	Erie, W. J. Carroll, -----	1370	Per ct. 7.44	Per ct. 24.56	Per ct. 26.00
4058	Unicorn Dairy Rations, Chapin & Co., Buffalo, N. Y.	Pittsburg, The I. W. Scott Co.	358	7.90	26.19	26.00
5054	Unicorn Dairy Rations, Chapin & Co., Buffalo, N. Y.	Union City, Union Coal and Supply Co.	1354	7.11	25.81	26.00
		Average, -----		7.24	25.77	-----
4136	Crystaloid Dairy Feed, Jonas F. Eby & Son, Lancaster, Pa.	Lititz, Elmer Eby, -----	436	10.83	16.52	16.50
4129	Crystaloid Dairy Feed, Jonas F. Eby & Son, Lancaster, Pa.	Lancaster, Esbenshade & Co.	429	11.70	15.42	16.50
4225	Crystaloid Dairy Feed, Jonas F. Eby & Son, Lancaster, Pa.	Hanover, Hanover Feed & Coal Co.	525	11.07	15.51	16.50
4153	Crystaloid Dairy Feed, Jonas F. Eby & Son, Lancaster, Pa.	Manheim, B. R. Hol- linger.	453	12.66	16.03	16.50
4204	Crystaloid Dairy Feed, Jonas F. Eby & Son, Lancaster, Pa.	York, Mitzel & Sloat, ---	504	10.07	15.51	16.50
4160	Crystaloid Dairy Feed, Jonas F. Eby & Son, Lancaster, Pa.	Ephrata, S. M. Seldom- ridge.	460	9.76	18.46	16.50
		Average, -----		11.11	16.24	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
6.75	5.50-6.50	8.92	9-10	\$32 00	Distillers feed, green diamond cottonseed meal, green diamond hominy, wheat or corn, gluten feed, barley feed and sprouts and pure wheat bran.	As certified, -----	5070
6.00	5.50-6.50	9.25	9-10	35 50	Distillers feed, green diamond cottonseed meal, green diamond hominy, wheat or corn, gluten feed, barley feed and sprouts, pure wheat bran and free from salt, molasses, screenings or weed seeds.	As certified, -----	4058
7.10	5.50-6.50	8.77	9-10	1 65	Distillers feed, green diamond cottonseed meal, green diamond hominy, wheat or corn, gluten feed, barley feed and sprouts and pure wheat bran.	As certified, -----	5054
6.92	-----	9.06	-----	33 63			
6.03	3.50	12.74	12.00	25 50	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt, chaff and small amount of weed seeds.	4136
6.60	3.50	12.37	12.00	26 50	Grain screenings, oats, molasses, cottonseed meal and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, grain screenings, molasses, salt, chaff and small amount of weed seeds.	4129
4.75	3.50	12.98	12.00	26 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, trace of corn, molasses, salt, chaff and large amount of weed seeds.	4225
4.88	3.50	11.49	12.00	25 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt, chaff and small amount of weed seeds.	4153
5.35	3.50	13.01	12.00	26 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt, chaff and weed seeds.	4204
6.01	3.50	11.16	12.00	25 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt, chaff and small amount of weed seeds.	4160
5.60	-----	12.29	-----	25 67			

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
3894	Emporium Feed, Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	194	Per ct. 10.64	Per ct. 8.94	Per ct. 7.63	
4008	No. 1 Mixed Feed, Feed Grain Co., Philipsburg, Pa.	Philipsburg, Feed Grain Co.	998	9.79	11.88	6-8	
3847	Dairy Mixed Feed, Globe Elevator Co., Buffalo, N. Y.	Wellsboro, Max Bernkoff,	147	10.83	14.00	11-12	
3850	Globe Mill Feed, Globe Elevator Co., Buffalo, N. Y.	Wellsboro, Max Bernkoff,	150	11.40	15.88	10-12	
4372	Good Luck Feed, Good Luck Mills, St. Louis, Mo.	Chambersburg, George Walker.	672	9.63	12.04	12.00	
4580	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Madpleton Depot, H. O. Andrews.	880	9.85	9.19	8.00	
4474	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Myerstown, E. L. Bleistein.	774	10.42	8.88	8.00	
4456	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Lebanon, City Flouring Mills.	756	9.23	8.63	8.00	
4027	Boss Chop Feed, The Great Western Cereal Co., Chicago, Ill.	McKeesport, A. Davison,--	327	10.80	8.13	8.00	
4595	Boss Chop Feed, The Great Western Cereal Co., Chicago, Ill.	Bedford, N. M. Diehl, -----	895	9.27	9.25	8.00	
4237	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Coatesville, J. T. Gay & Son.	537	9.52	9.19	8.00	
4132	Boss Chop Feed, The Great Western Cereal Co., Chicago, Ill.	Lititz, Aaron G. Hershey,	432	10.00	9.06	8.00	
4232	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Hanover, Geo. Hull & Sons.	532	10.00	8.13	8.00	
4068	Boss Chop Feed, The Great Western Cereal Co., Chicago, Ill.	Leechburg, Leechburg Flouring Mill.	368	10.24	8.75	8.00	
4365	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Waynesboro, J. M. Newcomer & Co.	665	8.37	8.88	8.00	

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.60	2.97	8.70	9.00	\$30 00	Corn, hominy, oats, oat hulls and oat middlings.	As certified, -----	3894
5.30	4-6	3.80	9.00	1 80	Ear corn, corn, oats and oat hulls, rye, wheat middlings, hominy meal, red dog and salt.	As certified, -----	4698
4.03	3.00	7.88	15-16	1 50	-----	Wheat bran and wheat middlings.	3847
3.50	2-4	3.17	12-14	1 65	-----	Wheat bran and wheat middlings.	3850
4.55	3.80	10.20	9.70	1 40	Corn, oats, dried brewers' grains, hominy feed, ground alfalfa and salt guaranteed $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	4372
5.20	3.50	7.47	9.00	1 45	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4580
5.30	3.50	5.85	9.00	27 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4474
5.00	3.50	9.97	9.00	28 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4456
4.10	3.50	7.51	9.00	30 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4027
4.63	3.50	8.65	9.00	1 40	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4695
4.65	3.50	7.15	9.00	1 50	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4237
5.40	3.50	8.85	9.00	29 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4132
4.35	3.50	8.95	9.00	31 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4232
4.20	3.50	6.01	9.00	28 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4068
5.05	3.50	9.22	9.00	30 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4365

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4705	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Philipsburg, Wolf's Mill,---	1005	Per ct. 9.40	Per ct. 9.13	Per ct. 8.00
		Average, -----	-----	9.73	8.84	-----
4877	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Wilkes-Barre, John Ahlbrandt.	1177	10.56	16.76	15.00
4475	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Myerstown, E. L. Bleistein,	775	9.02	16.67	15.00
3763	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Montrose, Brown & Fassett.	63	11.33	16.68	15.00
3789	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Lanesboro, Buckley Bros.,	89	9.66	16.11	15.00
5068	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Erie, W. J. Carroll, -----	1368	8.91	14.51	15.00
3897	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Emporium, Emporium Milling Co.	197	8.39	15.21	15.00
4033	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Monongahela, D. E. Gamble.	333	9.22	16.36	15.00
4238	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Coatesville, J. T. Gay & Son.	538	9.14	16.28	15.00
4226	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Hanover, Hanover Feed & Coal Co.	526	9.10	15.03	15.00
4414	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Mt. Holly Springs, Percy Harman.	714	9.46	17.25	15.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.65	3.50	6.27	9.00	\$1 65	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4705
4.78	-----	7.80	-----	29 36			
3.31	3.00	12.17	12.00	29 00	-----	Corn, oats, cottonseed meal, oat middlings, oat hulls, alfalfa, molasses and salt.	4877
3.30	3.00	13.41	12.00	27 00	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, molasses and salt.	4475
4.22	3.00	12.18	11.00	1 45	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, molasses and salt.	3763
4.28	3.00	12.54	11.00	27 00	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, molasses and salt.	3789
3.17	3.00	13.66	11.00	25 00	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, corn, oat middlings, oat hulls, grain screenings, N. O. molasses and salt.	5068
4.01	3.00	13.07	12.00	30 00	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, N. O. molasses and salt.	3897
3.59	3.00	13.62	12.00	28 00	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, N. O. molasses and salt.	4033
4.14	3.00	11.67	12.00	1 45	Oats, cottonseed meal, alfalfa meal, oat middlings, oat shorts, oat hulls and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat shorts, oat hulls, corn, N. O. molasses and salt.	4238
3.36	3.00	12.71	11.00	27 00	Corn, oats, oat middlings, alfalfa meal, cottonseed meal, oat hulls, and grain screenings, mixed with N. O. molasses. Maximum salt, three-fourths of one per cent.	As certified, -----	4226
4.10	3.00	12.07	12.00	1 40	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, corn, N. O. molasses and salt.	4414

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein	
					Found.	Guaranteed.
4231	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Hanover, George Hull and Sons.	531	Per ct. 8.48	Per ct. 16.75	Per ct. 15.00
4021	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Uniontown, King Bros., ---	321	9.44	17.35	15.00
4039	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Belle Vernon, C. N. Luce, -	339	8.19	14.80	15.00
5108	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Chester, T. F. McCall, ----	1408	8.21	15.84	15.00
4254	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Mortonville, Monholland & Dale.	554	8.79	15.54	15.00
4984	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Mercer, I. J. Pizer & Son,	1284	9.40	17.34	15.00
3909	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	St. Marys, L. Ritter, ----	209	9.13	16.35	15.00
4375	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Chambersburg, George Walker.	675	9.65	16.86	15.00
4707	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Philipsburg, Wolf's Mill, --	1007	9.33	17.32	15.00
		Average, -----		9.23	16.26	-----
4876	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Wilkes-Barre, John Ahlbrandt.	1176	7.45	9.88	10.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or ewt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.12	Per ct. 3.00	Per ct. 14.04	Per ct. 12.00	\$27 00	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, corn, N. O. molasses and salt.	4231
3.10	3.00	13.10	12.00	1 50	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, N. O. molasses and salt.	4021
3.34	3.00	13.49	12.00	26 70	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, N. O. molasses and salt.	4039
3.67	3.00	15.35	12.00	1 50	Oats, cottonseed meal, alfalfa meal, oat middlings, mixed broken grain from barley, oats, rye, etc., with N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, corn, barley, oats, rye, N. O. molasses and salt.	5108
4.01	3 00	15.00	12.00	27 00	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, N. O. molasses and salt.	4254
3.12	3.00	13.15	12.00	26 00	Oats, cottonseed meal, alfalfa meal, oat middlings, mixed broken grains from barley, oats, rye, etc., with N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, barley, oats, rye, N. O. molasses and salt.	4984
4.39	3.00	13.08	12.00	28 00	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, N. O. molasses and salt.	3909
3.43	3.00	12.19	11.00	1 35	-----	Oats, cottonseed meal, oat middlings, oat hulls, alfalfa meal, corn, molasses and salt.	4375
3.18	3.00	10.02	12.00	1 50	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, and N. O. molasses. Maximum salt, three-fourths of one per cent.	Oats, cottonseed meal, alfalfa meal, oat middlings, oat hulls, grain screenings, N. O. molasses and salt.	4707
3.68	-----	12.97	-----	27 93	-----	-----	-----
5.00	4.00	10.09	9.00	30 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4876

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4579	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Mapleton Depot. H. O. Andrews.	879	Per ct. 9.04	Per ct. 9.81	Per ct. 10.00
4473	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Myerstown, E. L. Bleistein,	773	8.93	10.06	10.00
4455	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Lebanon, City Flouring Mills.	755	9.20	11.38	10.00
4594	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Bedford, N. M. Diehl, -----	894	7.97	10.63	10.00
4038	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Monongahela, D. E. Gamble.	338	7.11	10.69	10.00
4233	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Hanover, George Hull and Sons.	533	11.16	10.63	10.00
4067	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Leechburg, Leechburg Flouring Mill.	367	9.41	11.06	10.00
4086	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Ford City, A. M. Mateer,	386	9.42	10.69	10.00
4431	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Harrisburg, Mock & Hartman.	731	7.90	10.81	10.00
4364	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Waynesboro, J. M. Newcomer & Co.	664	8.58	10.13	10.00
5133	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Rockwood, Rockwood Milling Co.	1433	7.87	9.00	10.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.73	Per ct. 4.00	Per ct. 9.35	Per ct. 9.00	\$1 50	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4579
5.10	4.00	9.90	9.00	2 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4473
6.73	4.00	9.37	9.00	29 60	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4455
3.60	4.00	9.32	9.00	1 40	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4594
5.35	4.00	10.94	9.00	30 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4038
4.07	4.00	6.60	9.00	31 60	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4233
4.00	4.00	6.98	9.00	30 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4067
3.88	4.00	8.02	9.00	30 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4086
6.25	4.00	8.80	9.00	30 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4431
5.63	4.00	9.20	9.00	32 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4364
4.40	4.00	8.87	9.00	1 40	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	5133

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
4495	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Reading, Isaiah B. Sibert, -	795	7.04	10.81	10.00
4506	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Reading, W. T. Snyder, ---	806	6.92	10.81	10.00
5096	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Pottstown, M. B. Tyson & Son.	1396	7.62	10.06	10.00
4373	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Chambersburg, George Walker.	673	9.51	10.81	10.00
4708	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Philipsburg, Wolf's Mill, --	1008	8.90	10.81	10.00
		Average, -----		8.47	10.47	-----
4304	H. & S. Alfalfa Feed, Dwight E. Hamlin & Co., Pittsburg, Pa.	Brookville, Kline's Sifter Mills.	604	18.06	12.89	16.00
3984	H. & S. Alfalfa Feed, Dwight E. Hamlin & Co., Pittsburg, Pa.	Irwin, Taylor Kunkle, -----	284	17.05	9.27	12.00
5194	H. & S. Alfalfa Feed, Dwight E. Hamlin & Co., Pittsburg, Pa.	Braddock, George Moore,--	1494	15.18	11.55	12.00
		Average, -----		16.11	10.41	-----
4029	Harper's Mixed Alfalfa Stock Feed, James Harper & Sons, Wichita, Kans.	McKeesport, A. Davison, -	329	10.46	12.56	12.00
4909	Algranc Milk Feed, The H. O. Co., Buffalo, N. Y.	Hazleton, Geo. W. Engle, -	1209	7.80	17.00	14.00
4313	Fine Ground Eclipse Feed, Husted Milling Co., Buffalo, N. Y.	Williamsport, F. W. Dawson & Son.	613	10.02	11.44	9-10
3817	Husted Molasses Feed, Husted Milling Co., Buffalo, N. Y.	Troy, H. M. Spalding & Son.	117	16.24	16.60	18-20
4732	Husted Stock Feed, Husted Milling Co., Buffalo, N. Y.	Du Bois, Timlin & Rishel,	1032	7.94	11.19	8-10

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.35	Per ct. 4.00	Per ct. 8.60	Per ct. 9.00	\$32 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts, oat middlings, and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4495
5.18	4.00	8.90	9.00	1 65	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4506
5.05	4.00	9.22	9.00	1 50	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts, oat middlings and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	5096
3.70	4.00	7.47	9.00	1 50	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4373
6.30	4.00	7.67	9.00	1 75	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt, three-fourths of one per cent.	As certified, -----	4708
4.96	-----	8.78	-----	30 41			
4.50	2.00	13.19	16.00	36 60	Alfalfa, molasses and brewers' grain.	As certified, -----	4304
2.92	6.00	8.41	10.00	1 65	Alfalfa, corn, brewers' grain and molasses.	As certified, -----	3984
3.56	6.00	8.38	10.00	2 00	Alfalfa, corn, brewers' grain and molasses.	As certified, -----	5194
3.24	-----	8.40	-----	36 50			
3.60	3.50	9.32	8-12	1 75	Alfalfa meal, corn chop, bran and linseed oil meal.	As certified, -----	4029
3.75	4.00	11.68	9.00	1 50	Oat hulls, wheat middlings, cottonseed meal, oat bran, gluten, corn, oats and salt.	As certified, -----	4909
5.28	4-6	5.42	7-9	1 45	Corn, oats, oat hulls, middlings, and three-fourths of one per cent. salt.	Corn, oats, oat hulls, wheat, barley, middlings and salt.	4313
4.87	4-6	6.26	8-9	1 40	Cottonseed meal, gluten, oat clippings, corn, oil meal, molasses and three-fourths of one per cent. salt.	As certified, -----	3817
6.88	4-6	7.02	7-9	1 45	Corn, oats, oat hulls, hominy, middlings and three-fourths of one per cent. salt.	As certified, -----	4732

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5158	International Dairy Feed, International Sugar Feed Co., Minneapolis, Minn.	Canonsburg, Canonsburg Milling Co.	1458	Per et. 10.98	Per et. 18.98	Per et. 16.50
4976	International Dairy Feed, International Sugar Feed Co., Minneapolis, Minn.	Harmony, Harmony Cereal Co.	1276	19.53	15.73	16.50
		Average, -----		15.25	17.36	-----
5160	International Special Molasses Feed, International Sugar Feed Co., Minneapolis, Minn.	Canonsburg, Canonsburg Milling Co.	1460	9.02	13.49	12.50
4977	International Special Molasses Feed, International Sugar Feed Co., Minneapolis, Minn.	Harmony, Harmony Cereal Co.	1277	13.73	12.52	12.50
		Average, -----		11.37	13.01	-----
5066	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Erie, A. P. Allen, -----	1366	16.36	16.46	16.00
3770	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	New Milford, H. B. Carpenter & Co.	70	12.53	15.43	16-18
5097	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Chester, Chester Milling Co.	1397	14.09	16.06	16.00
3868	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Knoxville, Deerfield Milling Co.	168	14.48	12.18	10-12
3869	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Knoxville, Deerfield Milling Co.	169	12.44	16.85	16-18
3838	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Riehland, S. S. Detweiler,	138	11.31	16.21	16-18
4970	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	New Castle, Fisher and Mengle.	1270	16.79	16.33	10.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.92	3.50	12.89	12.00	\$29 00	Cottonseed meal, molasses, mixed broken grains, including wheat, oats, barley, buckwheat, flax, oat clips and salt.	As certified, -----	5158
4.56	3.50	11.49	12.00	1 40	Cottonseed meal, molasses, cleaned grain screenings, oat clips and salt.	Cottonseed meal, oat clips, grain screenings, including wheat, barley and small amount of weed seeds, and molasses and salt.	4976
4.74	-----	12.19	-----	28 50			
4.68	3.50	15.40	12.00	27.00	Cottonseed meal, molasses, mixed broken grains, including wheat, oats, barley, buckwheat, flax, oat clips and salt.	As certified, -----	5160
4.34	3.50	10.51	12.00	1 35	Cottonseed meal, molasses, cleaned grain screenings, oat clips and salt.	Cottonseed meal, oat clips, grain screenings, including wheat, barley and small amount of weed seeds, and molasses and salt.	4977
4.51	-----	12.95	-----	27 00			
1.37	2.00	12.85	15.00	24 00	Cottonseed meal, dried grains, malt sprouts, alfalfa meal, molasses and one-half of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, alfalfa meal, molasses, salt and trace of weed seeds.	5066
4.57	3.50-4.50	11.37	14.00	27 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and salt.	As certified, -----	3770
1.89	2.00	15.14	15.00	1 40	Cottonseed meal, dried grains, malt sprouts, alfalfa meal, molasses and one-half of one per cent. salt.	As certified, -----	5097
4.98	4-6	12.05	12-14	27 00	Oil meal, brewers' grains, malt sprouts, corn, oats, alfalfa meal and molasses.	As certified, -----	3868
4.98	3.50-4.50	13.20	12.00	26 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and salt.	Cottonseed meal, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and salt.	3869
5.54	3.50-4.50	13.46	14.00	27 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and salt.	Cottonseed meal, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, molasses and salt.	3838
1.97	2.00	12.77	15.00	1 30	Cottonseed meal, dried grains, malt sprouts, alfalfa meal, molasses and one-half of one per cent. salt.	As certified, -----	4970

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4821	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Danville, Haney - Frazier Milling Co.	1121	Per et. 18.30	Per et. 15.08	Per et. 16.00
4820	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Danville, Haney - Frazier Milling Co.	1120	13.35	16.55	16-18
4391	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Scotland, M. Ickes, -----	691	13.59	16.92	16.00
4244	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Parkesburg, E. H. Keen & Co.	544	10.82	18.23	16-18
4168	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Elizabethtown, E. H. Lehman.	468	12.74	15.66	16.00
3711	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Saltsburg, G. W. Martin & Co.	11	11.76	15.14	16-18
4985	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Mercer, Mercer Milling and Lumber Co., Ltd.	1288	12.00	14.84	16-18
3707	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Blairsville, George J. New,	7	13.71	15.84	16-18

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
1.39	2.00	14.12	15.00	\$26 00	Cottonseed meal, dried grains, malt sprouts, alfalfa meal, molasses and one-half of one per cent. salt.	As certified, -----	4821
5.24	3.50-4.50	15.03	14.00	26 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-half of one per cent. salt.	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and small amount of weed seeds.	4820
5.65	3.50	13.10	14-15	26 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and small amount of weed seeds.	4391
6.20	3.50-4.50	12.83	15.00	26 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-half of one per cent. salt.	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and small amount of weed seeds.	4244
5.47	3.50	14.78	15.00	26 50	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	Cottonseed meal, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and small amount of weed seeds.	4168
4.71	3.5-4.5	12.26	10-12	27 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and weed seeds.	3711
3.71	3.5-4.5	12.46	14.00	26 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	As certified, -----	4983
5.21	3.5-4.5	11.56	12.00	26 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and salt.	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and small amount of weed seeds.	3707

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4348	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Renovo, A. P. Pfoutz, ---	648	Per ct. 9.62	Per ct. 16.88	Per ct. 16.00
3852	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Wellsboro, B. Schrader & Son.	152	11.16	18.46	16-18
4370	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Chambersburg, J. H. Smith & Son.	670	11.90	15.93	16-18
4191	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Bird-in-Hand, J. A. Umble & Bro.	491	13.97	16.42	16.00
5083	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Pottstown, S. B. Wagner & Co.	1383	10.14	17.47	16.00
4268	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Kennett Square, W. H. Walker & Co.	568	13.80	15.54	16-18
4339	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Lock Haven, E. E. Wentz,	639	11.28	14.04	16-18
4683	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Martinsburg, John L. Wine-land.	983	16.29	12.30	16.00
4847	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Bloomsburg, The White Milling Co.	1147	15.73	17.22	16.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.80	Per ct. 3.50	Per ct. 13.93	Per ct. 15.00	\$1 60	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	Cottonseed meal, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and small amount of weed seeds.	4348
5.41	3.5-4.5	11.89	12.00	27 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and salt.	Cottonseed meal, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and salt.	3852
6.25	3.5-4.5	13.03	14.00	26 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and small amount of flaxseed and weed seeds.	4370
3.00	3.00	15.89	20.00	26 00	Cottonseed meal, malt sprouts, brewer's grains, alfalfa meal and molasses.	As certified,	4191
3.82	3.50	12.90	15.00	27 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	As certified,	5083
5.57	3.5-4.5	13.28	15.00	26 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and small amount of flaxseed and weed seeds.	4268
5.97	3.5-4.5	15.61	12.00	27 00	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	As certified,	4339
2.80	3.00	15.57	20.00	26 50	Cottonseed meal, malt sprouts, brewer's grains, alfalfa meal and molasses.	As certified,	4683
1.64	2.00	12.49	15.00	28 00	Cottonseed meal, dried grains, malt sprouts, alfalfa meal, molasses and one-half of one per cent. salt.	As certified,	4847

TABLE IX.--ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4357	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Gettysburg, C. M. Wolf, Jr.	657	Per et. 11.49	Per et. 16.51	Per et. 16.00
4470	Badger Dairy Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Myerstown, S. T. Yost, --	770	10.59	17.44	16.00
		Average, -----		13.08	16.00	-----
4347	Badger Ever Green Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Renovo, A. P. Pfoutz, ----	647	12.17	11.97	10.00
4371	Badger Ever Green Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Chambersburg, J. H. Smith & Son.	671	17.92	12.35	10.00
		Average, -----		15.04	12.16	-----
2708	Badger Stock Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Blairsville, George J. New,--	8	12.27	13.03	10-12
4680	Nature's Stock Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Martinsburg, John L. Wine-land.	980	15.45	10.20	10.00
3808	Best Mixed Feed for Cows, C. P. Matthews & Sons, Inc., Scranton, Pa.	Towanda, C. P. Matthews & Sons, Inc.	108	10.85	19.25	15.00
4875	Best Mixed Feed for Cows, C. P. Matthews & Sons, Inc., Scranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	1175	8.43	21.38	15.00
4934	Best Mixed Feed for Cows, C. P. Matthews & Sons, Inc., Scranton, Pa.	Seranton, C. P. Matthews & Sons, Inc.	1234	9.81	19.63	15.00
		Average, -----		9.69	20.09	-----
4919	Mihimieo Stock Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Seranton, Miner-Hillard Milling Co.	1219	9.00	11.88	11-15
4883	Mihimieo Stock Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	1183	9.13	11.50	11-15
		Average, -----		9.06	11.69	-----
5113	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Doylestown, H. S. Beidler..	1413	11.01	17.97	16-18

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
5.51	3.50	14.18	15.00	\$1 25	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	Cottonseed meal, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and small amount of weed seeds.	4357
6.47	3.50	13.77	15.00	1 30	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and one-fourth of one per cent. salt.	Cottonseed meal, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses, salt and small amount of weed seeds.	4470
4.43	-----	13.44	-----	26 58			
1.59	1.00	15.09	30.00	1 60	Alfalfa and syrup, -----	As certified, -----	4347
1.05	1.00	16.31	30.00	30 00	Alfalfa and syrup, -----	As certified, -----	4371
1.32	-----	15.70	-----	31 00			
4.10	4-6	11.82	12-14	1 80	Oil meal, brewers' grains, malt sprouts, corn, oats, alfalfa meal and molasses.	As certified, -----	3708
1.99	2.50	10.52	20.00	29 00	Corn, oats, brown alfalfa and molasses.	As certified, -----	4680
3.74	5.00	5.62	8.00	1 55	Middlings, corn meal, linseed meal and gluten.	As certified, -----	3805
4.60	5.00	6.92	4.00	1 60	Middlings, corn meal, linseed meal and gluten.	As certified, -----	4875
4.50	5.00	6.62	8.00	1 50	Middlings, corn meal, linseed meal and gluten.	As certified, -----	4934
4.28	-----	6.38	-----	31 00			
6.00	5-7	8.67	8-10	1 65	Alfalfa, hominy feed, middlings, corn, oats, oil meal and salt.	As certified, -----	4919
6.20	5-7	7.50	8-10	1 65	Alfalfa, hominy feed, middlings, corn, oats, oil meal and salt.	As certified, -----	4883
6.10	-----	8.03	-----	33 00			
5.44	3-5	11.41	9.00	27 00	Cottonseed meal, flax bran, linseed meal, malt sprouts, mill feeds, molasses and salt.	Cottonseed meal, flax plant refuse and shives, linseed meal, malt sprouts, corn, oats, wheat, barley, molasses, salt and small amount of weed seeds.	5113

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein,		
				Moisture.	Found.	Guaranteed.
3756	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Johnstown, McDermott & Co.	56	Per ct. 11.89	Per ct. 16.67	Per ct. 16-18
4461	Sugarota Dairy Feed, North West Mills Co., Winona, Minn.	Lebanon, A. M. Weltmer's Sons.	761	11.00	16.62	16-18
		Average, -----		11.30	17.09	-----
4037	Otto Weiss Alfalfa Dairy Food, Otto Weiss Alfalfa Stock Food Co., Wichita, Kansas.	Pittsburg, The I. W. Scott Co.	357	8.33	14.25	14.00
4052	Otto Weiss Alfalfa Hog Food, Otto Weiss Alfalfa Stock Food Co., Wichita, Kansas.	Pittsburg, The I. W. Scott Co.	352	7.38	21.38	17.95
3969	Otto Weiss Alfalfa Oats Food, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kansas.	Greensburg, Harry Orr & Co.	269	9.24	12.50	12.00
5175	Otto Weiss Alfalfa Stock Food, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kansas.	Carnegie, C. A. Foster,---	1475	10.23	13.50	11.00
4090	Otto Weiss Alfalfa Stock Food, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kansas.	New Kensington, J. A. Hawk.	390	10.09	12.50	11.00
4001	Otto Weiss Alfalfa Stock Food, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kansas.	Mt. Pleasant, F. E. Painter.	301	10.06	11.88	12.00
		Average, -----		12.66	12.63	-----
3855	P. & S. Feed, Phelps & Sibley Co., Cuba, N. Y.	Westfield, H. Z. Pride & Son.	155	10.61	7.88	8.50
5123	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Somerset, John G. Emert,	1423	8.18	10.31	10.00
4087	Pollocks C. O. & B. Feed, L. Pollock, Kittanning, Pa.	Manorville, Gruskin Bros.,	387	8.79	10.69	10.00
5126	O. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Somerset, H. C. Beerlt's Sons.	1426	7.76	10.81	10.00
4078	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Kittanning, William Gates Est.	378	8.35	10.88	10.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.28	Per ct. 3-5	Per ct. 11.23	Per ct. 9.00	\$1 50	Cottonseed meal, flax bran, linseed meal, malt sprouts, mill feeds, molasses and salt.	Cottonseed meal, flax plant refuse and shives, linseed meal, malt sprouts, corn, oats, wheat, barley, molasses, salt and small amount of weed seeds.	3756
6.89	3-5	9.95	9.00	26 00	Cottonseed meal, flax bran, linseed meal, malt sprouts, mill feeds, molasses and salt.	Cottonseed meal, flax plant refuse and shives, linseed meal, malt sprouts, corn, oats, wheat, barley, molasses, salt and large amount of weed seeds.	4461
6.20	-----	10.86	-----	27 67			
4.20	3.00	14.10	14.00	32 00	Alfalfa, corn chop, linseed oil meal, and three-fourths of one per cent. salt.	As certified, -----	4057
5.35	4.26	10.43	-----	35 00	Alfalfa, shorts, oil meal, meat meal, charcoal and salt.	As certified, -----	4052
4.18	3.50	10.89	10-15	34 00	Alfalfa, oats, corn chop, bran, linseed oil meal, and three-fourth of one per cent. salt.	As certified, -----	3969
3.85	3.50	9.21	14.00	31 00	Alfalfa, corn chop, bran, shorts, linseed oil meal, and three-fourths of one per cent. salt.	As certified, -----	5175
3.90	3.50	11.38	14.00	1 75	Alfalfa, corn chop, bran, shorts, linseed oil meal, and three-fourths of one per cent. salt.	As certified, -----	4090
3.20	3.50	7.42	8-15	1 80	Alfalfa, corn chop, bran, shorts, linseed oil meal, and three-fourths of one per cent. salt.	As certified, -----	4001
3.65	-----	9.33	-----	34 00			
3.60	3.00	5.93	5.00	30 00	Pure corn meal and oat hulls.	As certified, -----	3855
5.35	3.50	6.67	3.50	30 00	Shelled corn, barley, oat shorts and oat middlings.	Shelled corn, barley, oat shorts, oat middlings and small amount of oat hulls.	5123
4.95	4.00	10.87	9.00	1 50	Corn, barley, wheat flour, oat shorts, oat middlings, oat hulls and cottonseed meal.	As certified, -----	4087
5.10	3.25	10.06	9.00	1 50	Corn, oat meal, mill by-product (oat shorts, oat hulls, oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and one-half of one per cent. salt.	As certified, -----	5126
4.65	3.25	10.57	9.00	29 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton, and one-half of one per cent. salt.	As certified, -----	4078

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4289	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Mifflin, Manbeck & Nelson,	589	Per ct. 8.78	Per ct. 11.06	Per ct. 10.00
5021	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Oil City, The Magee Feed Co.	1321	7.69	16.88	10.00
4401	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Newville, S. E. Shenk, ---	701	8.91	10.81	10.00
4014	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Uniontown, W. S. Smith,	314	7.66	10.88	10.00
		Average, -----	-----	8.19	11.89	-----
4256	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	West Chester, I. H. Bailey,	556	6.12	19.90	16.00
5127	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Somerset, H. C. Beerits' Sons,	1427	9.07	14.01	16.00
4008	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Mt. Pleasant, J. H. Brown & Son.	308	7.78	12.69	16.00
4500	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Bedford, Davidson Bros.,	890	8.57	16.25	16.00
3981	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, W. N. Davis,	281	9.56	15.45	16.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.68	3.25	10.15	9.00	\$30 00	Corn, oat meal, mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and one-half of one per cent. salt.	As certified, -----	4289
4.38	3.25	10.36	9.00	1 40	Corn, oat meal, mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and one-half of one per cent. salt.	As certified, -----	5021
4.10	3.25	9.10	9.00	30 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal, and one-half of one per cent. salt.	As certified, -----	4401
4.20	4.00	11.24	9.00	1 65	Corn, oat middlings, oat hulls, wheat flour, barley, cottonseed meal, and one-half of one per cent. salt.	As certified, -----	4014
4.52	-----	10.24	-----	30 00			
4.94	3.50	12.83	9.00	28 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal, mill by-product (oat hulls, oat middlings, and oat shorts), corn and molasses.	As certified: trace of salt present.	4256
4.79	3.50	13.04	9.00	1 40	Cottonseed meal, grain screenings, flax pods and stalks, oat meal, mill by-product (oat hulls, oat middlings, and oat shorts), corn and molasses.	As certified, -----	5127
6.53	3.50	12.65	9.00	1 40	Cottonseed meal, grain screenings, flax pods and stalks, oat meal, mill by-product (oat hulls, oat middlings, and oat shorts), corn and molasses.	Cottonseed meal, grain screenings, flax pods and stalks, oat hulls, oat middlings, oat shorts, corn, molasses, and trace of salt and weed seeds.	4008
3.59	3.50	12.02	9.00	28 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal, mill by-product (oat hulls, oat middlings, and oat shorts), corn and molasses.	As certified, -----	4590
5.28	3.50	13.55	9.00	1 35	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax bran, yellow corn and molasses.	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax plant refuse and shives, corn, molasses and trace of salt.	3981

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
				Per ct.	Per ct.	Per ct.
5169	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Canonsburg, Dunlap Bros.,	1469	7.71	13.94	16.00
4576	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Mapleton, I. W. Fleek,....	876	9.90	15.30	16.00
4612	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Altoona, J. B. Forsht,....	912	8.53	14.69	16.00
4320	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Williamsport, Gohl & King,	620	9.20	17.12	16.00
4032	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Monongahela, James B. Hayward & Son.	332	9.54	16.74	16.00
4972	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Newcastle, F. W. Hutchinson & Son.	1272	10.68	16.15	16.00
3992	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Jeannette, Keystone Supply Co.	292	8.79	15.08	16.00
4022	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Uniontown, King Bros.,---	322	8.28	17.12	16.00
5260	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Braddock, C. B. Marriott & Sons.	1500	5.90	13.94	16.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
3.70	3.50	14.46	9.00	\$26 00			
					Cottonseed meal, grain screenings, flax pods and stalks, oatmeal, mill by-product (oat hulls, oat middlings and oat shorts), corn and molasses.	As certified, -----	5169
3.95	3.50	12.89	9.00	1.65	Cottonseed meal, grain screenings, flax pods and stalks, oatmeal, mill by-product (oat hulls, oat middlings and oat shorts) corn and molasses.	As certified, -----	4576
5.27	3.50	13.00	9.00	28 00	Cottonseed meal, grain screenings, flax pods and stalks, oatmeal, mill by-products (oat hulls, oat middlings and oat shorts), corn and molasses.	As certified, -----	4612
4.00	3.50	12.37	9.00	1 50	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax bran, yellow corn and molasses.	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax plant refuse and shives, corn, molasses and trace of salt.	4320
4.37	3.50	13.70	9.00	1 30	Cottonseed meal, grain screenings, flax pods and stalks, oatmeal, mill by-products, (oat hulls, oat middlings and oat shorts), corn and molasses.	As certified: trace of salt present.	4032
4.52	3.50	11.96	9.00	1 50	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax bran, yellow corn and molasses.	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax plant refuse and shives, corn and molasses.	4972
4.73	3.50	13.19	9.00	30 00	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax bran, yellow corn and molasses.	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax plant refuse and shives, corn and molasses, and trace of salt.	3992
4.15	3.50	12.74	9.00	1 50	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax bran, yellow corn and molasses.	Cottonseed meal, wheat middlings, oat middlings, oat hulls, flax plant refuse and shives, corn, molasses and trace of salt.	4023
4.87	3.50	13.17	9.00	1 60	Cottonseed meal, grain screenings, flax pods and stalks, oatmeal, mill by-products (oat hulls, oat middlings and oat shorts), corn and molasses.	As certified, -----	5200

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5142	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Washington, G. W. McBrier.	1442	Per ct. 8.79	Per ct. 16.19	Per ct. 16.00
4043	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Charleroi, R. C. Mountser,	343	9.90	17.01	16.00
4434	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Harrisburg, I. L. Nailor, --	734	8.91	15.62	16.00
3961	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Derry, J. O. Nicely, -----	261	9.47	15.01	16.00
4061	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Apollo, L. Todd Owens,--	361	8.21	15.52	16.00
4064	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Vandergrift, T. J. Rowley,	364	9.19	15.48	16.00
5139	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Washington, C. B. Ruch,--	1439	7.17	14.63	16.00
4998	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Sharon, Sharon Milling Co.	1298	7.71	13.43	16.00
3833	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Quakertown, T. & J. Strawn.	133	7.83	16.28	16.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or ewt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$25 00			
4.76	3.50	12.18	9.00		Cottonseed meal, grain screenings, flax pods and stalks, oatmeal, mill by-product (oat sborts, oat bulls and oat middlings), corn and molasses.	As certified, -----	5142
5.21	3.50	12.07	9.00	26 00	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat bulls, flax bran, yellow corn and molasses.	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat bulls, flax plant refuse and shives, corn, molasses and trace of salt.	4043
4.97	3.50	12.32	9.00	1 30	Cottonseed meal, grain screenings, flax pods and stalks, oatmeal mill by-products (oat hulls, oat middlings and oat sborts), corn and molasses.	As certified, -----	4434
4.79	3.50	13.41	9.00	1 55	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat bulls, flax bran, yellow corn and molasses.	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat bulls, flax plant refuse and shives, corn, molasses, and trace of salt.	3961
4.95	3.50	13.18	9.00	1 50	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat bulls, flax bran, yellow corn and molasses.	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat bulls, flax plant refuse and shives, corn, molasses, and trace of salt.	4061
5.14	3.50	13.51	9.00	1 40	Cottonseed meal, grain screenings, flax pods and stalks, oatmeal mill by-products (oat bulls, oat middlings and oat sborts), corn and molasses.	Cottonseed meal, grain screenings, flax pods and stalks, oat bulls, oat middlings, oat sborts, corn, molasses, and trace of salt and weed seeds.	4064
4.62	3.50	13.44	9.00	1 45	Cottonseed meal, grain screenings, flax pods and stalks, oatmeal mill by-product (oat hulls, oat middlings and oat sborts), corn and molasses.	As certified, -----	5139
4.46	3.50	12.49	9.00	1 40	Cottonseed meal, grain screenings, flax pods and stalks, oatmeal mill by-product (oat hulls, oat middlings and oat sborts), corn and molasses.	As certified, -----	4998
4.86	3.50	12.99	9.00	1 35	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax bran, yellow corn and molasses.	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat bulls, flax plant refuse and shives, corn, molasses, and trace of salt.	3833

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
3758	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Johnstown, A. F. Stutzman.	58	Per ct. 8.52	Per ct. 15.53	Per ct. 16.00
4469	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Myerstown, S. T. Yost,----	769	7.64	15.81	16.00
		Average, -----		8.51	15.55	-----
4635	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Altoona, Altoona Feed and Grain Co.	935	7.93	10.63	10.00
3741	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Ebensburg, Barker Bros.,	41	8.56	11.66	10.00
3851	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Wellsboro, Max Bernkopf & Bro.	151	8.19	10.63	10.00
4860	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Berwick, T. M. Bomboy,--	11.60	7.76	10.19	10.00
4725	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Osceola Mills, Brown, Baird & Reeve.	1025	8.35	11.56	10.00
5039	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Titusville, L. S. Clark, --	1339	7.57	10.50	10.00
4589	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Bedford, Davidson Bros.,--	889	9.41	10.25	10.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.76	Per ct. 3.50	Per ct. 10.39	Per ct. 9.00	\$1 50	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax bran, yellow corn and molasses.	Cottonseed meal, wheat bran, wheat middlings, oat middlings, oat hulls, flax plant refuse and shives, corn, molasses, and trace of salt.	3758
3.74	3.50	11.75	9.00	1 30	Cottonseed meal, grain screenings, flax pods and stalks, oatmeal mill by-product (oat hulls, oat middlings and oat shorts), corn and molasses.	As certified, -----	4469
4.68	-----	12.77	-----	28 40			
4.68	3.25	9.92	9.00	1 45	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and one-half of one per cent. salt.	As certified, -----	4635
4.40	4.00	10.85	9.00	32 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton, and one-half of one per cent. salt.	As certified, -----	3741
4.00	4.00	8.79	9.00	1 50	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton, and one-half of one per cent. salt.	As certified, -----	3851
4.60	3.25	9.98	9.00	1 60	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls and oat middlings), 50 lbs. cottonseed meal per ton, and one-half of one per cent. salt.	As certified, -----	4860
4.85	3.25	9.52	9.00	1 80	Corn, oat meal mill by-products (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4725
4.40	3.25	10.72	9.00	1 40	Corn, oat meal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5039
3.93	3.25	9.59	9.00	29 00	Corn, oat meal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4589

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
3944	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Warren, T. N. Dunham, ---	244	Per ct. 9.63	Per ct. 10.81	Per ct. 10.00
4941	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Scranton, Geo. H. Easterle,	1241	8.41	10.94	10.00
3729	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Patton, F. E. Farabaugh,	29	9.38	10.75	10.00
4577	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Mapleton Depot, I. W. Fleck.	877	9.16	11.25	10.00
4083	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Kittanning, J. A. Gault & Co.	383	9.19	10.63	10.00
4799	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Lewisburg, Gonser & Noll,	1099	8.42	10.75	10.00
4346	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Renovo, P. O. Hagan & Son.	646	9.12	11.31	10.00
3761	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Montrose, J. C. Harrington.	61	8.84	9.88	10.00
5137	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Washington, D. P. Hart,--	1437	7.78	10.69	10.00
4992	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Greenville. Hecker & Reed,	1292	8.67	10.50	10.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.38	Per ct. 4.00	Per ct. 10.11	Per ct. 9.00	\$29 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3944
4.35	3.25	10.04	9.00	1 50	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4941
4.25	4.00	10.34	9.00	31 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3729
4.70	3.25	9.90	9.00	1 65	Corn, oatmeal, mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4577
4.95	3.25	10.17	9.00	29 00	Corn, barley, wheat flour, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4083
4.13	3.25	9.15	9.00	1 45	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4799
4.45	3.25	9.57	9.00	1 65	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4346
3.85	4.00	11.83	9.00	32 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3761
4.35	3.25	10.00	9.00	26 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5137
4.88	3.25	9.80	9.00	1 50	Corn, barley, wheat flour, oatmeal mill by-product (oat hulls, oat shorts and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4992

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
4141	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Leaman Place, Harry K. Hershey.	441	Per ct. 8.39	Per ct. 10.56	Per ct. 10.00
4275	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Lewistown, Heavenly Mfg., Storage and Supply Co.	575	8.35	10.81	10.00
4608	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Wilkinsburg, Jordan & Steenson.	908	8.66	10.81	10.00
4896	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Wilkes-Barre, Kirkendall Son Co.	1196	8.40	10.25	10.00
3780	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Susquehanna, A. L. Langford.	80	7.82	10.06	10.00
4293	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Lindsay, Lindsay Milling Co.	593	9.10	11.19	10.00
4179	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Elizabethtown, A. W. Martin.	479	8.09	11.56	10.00
5144	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Washington, G. W. McBrier.	1444	8.16	11.06	10.00
5191	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Braddock, George Moore,	1491	8.75	10.75	10.00
4435	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Harrisburg, I. L. Nallor,--	735	8.45	10.69	10.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.15	Per ct. 3.25	Per ct. 10.85	Per ct. 9.00	\$30 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4141
4.78	3.25	10.45	9.00	30 00	Corn, barley, wheat flour, oatmeal mill by-product (oat hulls, oat shorts and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4275
4.73	3.25	10.35	10.00	1 55	-----	Cottonseed meal, wheat flour, barley, oat middlings, oat hulls and salt.	4608
3.25	3.25	9.82	9.00	1 60	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4896
4.55	3.25	11.69	9.00	32 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3780
4.73	3.25	9.27	9.00	1 55	Corn, barley, wheat flour, oatmeal mill by-product (oat hulls, oat shorts and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4293
5.63	3.25	9.70	9.00	29 00	Corn, barley, wheat flour, oatmeal mill by-product (oat hulls, oat shorts and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4179
4.70	3.25	9.40	9.00	28 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5144
4.18	3.25	9.41	9.00	1 60	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5191
4.40	3.25	9.57	9.00	1 50	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4435

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
3727	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Indiana, J. L. Orr, -----	27	Per ct. 7.80	Per ct. 11.63	Per ct. 10.00
3970	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, Harry Orr & Co.	270	8.76	10.56	10.00
4002	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Mt. Pleasant, F. E. Painter.	302	9.24	10.38	10.00
3713	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Saltsburg, Patterson Milling Co.	13	8.08	10.69	10.00
4128	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Lancaster, Fred Pontz, ---	428	8.46	10.94	10.00
4588	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Mt. Union, David Rummel,	888	7.53	11.06	10.00
5188	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Pitcairn, D. F. Salyards,--	1488	9.04	10.88	10.00
4494	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Reading, Isaiah B. Scibert,	794	7.62	11.00	10.00
4967	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Butler, B. F. Shannon & Co.	1267	7.70	11.00	10.00
4533	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Allentown, Geo. B. Shelly Est.	833	8.81	10.88	10.00
3935	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Bradford, Smith Bros., ---	235	9.02	10.44	10.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.00	Per ct. 4.00	Per ct. 11.01	Per ct. 9.00	\$32 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3727
4.40	3.25	10.52	9.00	30 00	Corn, barley, wheat flour, oatmeal mill by-product (oat hulls, oat shorts and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3970
4.35	3.50	9.82	9.00	1 60	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4002
4.35	4.00	11.13	9.00	32 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3713
5.30	3.25	9.80	9.00	30 50	Corn, barley, wheat flour, oatmeal mill by-product (oat hulls, oat shorts and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4128
5.19	3.25	9.87	9.00	1 60	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4588
4.78	3.25	9.79	9.00	1 40	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5188
4.70	3.25	11.52	9.00	32 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4494
5.05	3.25	10.22	9.00	29 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4967
4.15	4.00	9.99	9.00	32 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4533
4.20	3.25	10.74	9.00	30 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3935

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4721	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Munson Station, Jacob Smutzinger.	1021	Per ct. 9.07	Per ct. 10.50	Per ct. 10.00
4571	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Huntingdon, Stouffer & Brenneman.	871	8.36	11.81	10.00
5055	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Union City, Union Coal and Supply Co.	1355	7.82	10.88	10.00
4184	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Christiana, B. Frank Walter.	484	8.75	10.31	10.00
5120	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Windber, Weaver & Berkey,	1420	9.01	10.13	10.00
3811	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Athens, J. J. Weller, -----	111	7.91	11.00	10.00
4342	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Lock Haven, E. E. Wentz,	642	8.05	11.38	10.00
4827	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Port Royal, Wischaupt & Frazer.	587	9.50	10.63	10.00
		Average, -----		8.52	10.79	-----
5136	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Washington, D. P. Hart,--	1436	9.40	8.31	8.00
4243	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Coatesville, P. D. Handwork Co.	543	9.15	8.31	8.00
3993	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Jeannette, Keystone Supply Co.	293	9.16	8.31	8.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.75	Per ct. 3.25	Per ct. 9.85	Per ct. 9.00	\$32 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4721
4.73	3.25	10.74	9.00	29 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4571
4.30	3.25	10.25	9.00	1 35	Corn, barley, wheat flour, oatmeal mill by-product (oat hulls, oat shorts and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5055
4.28	3.25	11.28	9.00	30 00	Corn, oat middlings, oat hulls, wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4184
3.85	3.25	9.85	9.00	1 35	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5120
4.58	4.00	11.46	10.00	1 65	Corn, barley, wheat flour, oat hulls, oat shorts, oat middlings, cottonseed meal and $\frac{1}{2}$ pound of salt per sack.	As certified, -----	3811
5.15	3.25	8.20	9.00	32 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4342
3.53	3.25	8.70	9.00	32 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings), wheat flour, barley, 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4287
4.50	-----	10.12	-----	30 53			
4.55	3.50	8.55	9.00	25 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5136
4.58	3.50	9.35	9.00	29 00	Corn, oatmeal mill by-product (oat shorts, oat hulls and oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4243
4.65	3.50	8.58	9.00	30 00	Corn, oat middlings, oat hulls, and one-half of one per cent. salt.	As certified, -----	3993

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
3964	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Derry, J. O. Nicely, -----	264	Per ct. 9.71	Per ct. 8.50	Per ct. 8.00
5001	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Sharon, Smith & Kelly, --	1301	8.50	8.81	8.00
4358	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Gettysburg, C. M. Wolf, Jr.	658	9.56	11.13	8.00
		Average, -----		9.24	8.90	-----
5172	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	Carnegie, C. A. Foster, -	1472	9.68	8.19	8.00
4943	Stock Feed, Scranton Flour and Grain Co., Scranton, Pa.	Scranton, Scranton Flour and Grain Co.	1243	10.21	9.69	7-10
4931	Stock Feed, Scranton Flour and Grain Co., Scranton, Pa.	Scranton, J. H. Trovell & Co.	1231	10.46	9.56	7-10
		Average, -----		10.33	9.63	-----
3776	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Great Bend, Albert Bott,	76	11.20	16.34	16.50
4822	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Danville, Haney - Frazier Milling Co.	1122	12.80	16.81	16.50
3759	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Montrose, J. C. Harrington,	59	12.99	15.38	16.50
4274	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	West Chester, C. C. Hipple & Son.	574	11.62	16.16	16.50
4651	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Altoona, Klepser Bros., --	951	9.24	17.26	16.50
4224	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Hanover, C. E. Miller, ---	524	10.79	16.63	16.50

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$			
5.05	3.50	8.67	9.00	1 65	Corn, oat middlings, oat hulls, and one-half of one per cent. salt.	As certified, -----	3964
5.10	3.50	9.29	9.00	1 50	Corn, oatmeal mill by-products (oat shorts, oat hulls, oat middlings), and one-half of one per cent. salt.	As certified, -----	5001
3.95	3.50	9.95	9.00	1 45	Corn, oatmeal mill by-products (oat shorts, oat hulls, oat middlings), and one-half of one per cent. salt.	As certified, -----	4358
4.65	-----	9.06	-----	29 33			
3.75	3.25	6.89	9.00	21 00	-----	Corn, oat middlings, oat shorts and oat hulls.	5172
3.02	3-5	9.52	5-10	1 35	Corn or hominy, oat feed, wheat feed and molasses.	As certified, -----	4943
3.15	3-5	4.62	5-10	1 35	Corn or hominy, oat feed, wheat feed and molasses.	Corn, oat feed and wheat feed.	4931
3.09	-----	7.07	-----	27 00			
5.66	3.50	10.60	12.00	1 35	Cottonseed meal, oats, barley, wheat, grain screenings, molasses and one-half of one per cent. salt.	Cottonseed meal, oats, barley, wheat grain screenings, molasses, salt and small amount of weed seeds.	3776
5.59	3.50	12.28	12.00	25 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and one-half of one per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and weed seeds.	4822
5.60	3.50	11.41	12-00	1 40	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and one-half of one per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and considerable proportion of weed seeds.	3759
5.45	3.50	12.65	12.00	26 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and one-half of one per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and small amount of weed seeds.	4274
4.91	3.50	13.08	12.00	27 00	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses and one-half of one per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and small amount of weed seeds.	4651
4.99	3.50	13.22	12.00	1 35	Cottonseed meal, oats, barley, wheat, grain screenings, molasses and one-half of one per cent. salt.	Cottonseed meal, oats, barley, wheat, grain screenings, malt sprouts, molasses, salt and considerable proportion of weed seeds.	4224

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4688	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Holidaysburg, Thermie Coal & Supply Co.	988	Per ct. 8.92	Per ct. 10.12	Per ct. 10.00
		Average, -----		11.08	15.53	-----
4907	Star Feed, The Toledo Elevator Co., Toledo, Ohio.	Hazleton, George W. Engle.	1207	9.91	8.56	8-10
4205	Star Feed, The Toledo Elevator Co., Toledo, Ohio.	York, Mitzel & Sloat, ---	505	9.44	9.19	8-10
4161	Star Feed, The Toledo Elevator Co., Toledo, Ohio.	Ephrata, S. M. Seldomridge.	461	9.60	9.69	8-10
4497	Star Feed, The Toledo Elevator Co., Toledo, Ohio.	Reading, Wertz Milling Co.	797	9.94	8.56	8-10
		Average, -----		9.72	9.00	-----
4258	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	West Chester, I. H. Bailey,	558	11.33	17.85	17.00
4753	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Sunbury, Blank & Gottshall.	1053	12.81	17.05	17.00
4837	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Bloomsburg, Bloomsburg Roller Mills.	1137	12.87	15.30	17.00
3842	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Wellsboro, Geo. C. & F. A. Brooks.	142	9.66	15.91	17.00
4454	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Lebanon, City Flouring Mills.	764	10.52	14.32	17.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.83	Per ct. 3.50	Per ct. 9.34	Per ct. 12.00	\$1 50	Corn, oats, barley, wheat, grain screenings, molasses and one-half of one per cent. salt.	Corn, oats, barley, wheat grain screenings, molasses, salt and small amount of weed seeds.	4688
5.15	-----	11.79	-----	27 14			
6.75	6-7	8.47	9.00	1 30	Hominy feed, corn, ground corn cob and one-half of one per cent. salt.	As certified, -----	4907
6.65	6-7	9.72	9.00	28.00	Hominy feed, corn, ground corn cob and one-half of one per cent. salt.	As certified, -----	4205
7.15	6-7	8.85	9.00	26 00	Hominy feed, corn, ground corn cob, and one-half of one per cent. salt.	As certified, -----	4161
6.80	6-7	9.90	9.00	25 00	Hominy feed, corn, ground corn cob and one-half of one per cent. salt.	As certified, -----	4497
6.84	-----	9.23	-----	26 25			
6.10	3.00	10.48	9.00	27 00	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and weed seeds.	4258
3.99	3.00	10.18	10.00	1 35	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Corn, oats, barley, distillers' grains, cottonseed meal, grain screenings, malt sprouts, molasses, salt and weed seeds.	4753
3.84	3.00	12.03	9.00	27 00	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and considerable proportion of weed seeds.	4837
5.97	3.00	10.71	9.00	26 00	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	As certified, -----	3842
6.07	3.00	11.69	9.00	26 00	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and a large amount of weed seeds.	4454

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5057	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Union City, Haniel Clark & Co.	1357	Per et. 10.85	Per et. 16.19	Per et. 17.00
3826	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Alba, S. S. Cosper, -----	126	13.58	14.98	17.00
4859	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Berwick, F. K. Crisman, -	1159	12.23	16.89	17.00
4832	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Danville, Danville Milling Co.	1132	15.10	15.33	17.00
3873	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Coudersport, Eulalia Milling Co.	173	13.84	16.17	17.00
4478	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Myerstown, Z. T. Gingrich.	778	10.89	16.14	17.00
4426	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Mechanicsburg, A. B. Har-nish.	726	14.49	15.75	17.00
4439	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Harrisburg, Hoffer & Gar-man.	739	12.36	16.53	17.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$			
3.90	3.00	11.17	9.00	1 25	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and a considerable proportion of weed seeds.	5057
5.82	3.00	11.10	9.00	28 00	Cottonseed meal, distiller's grains, malt sprouts, corn, oats, barley, grain screenings, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, oats, barley, grain screenings, pure cane molasses, salt and weed seeds.	3826
4.57	3.00	9.93	9.00	1 35	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and weed seeds.	4859
4.12	3.00	9.87	9.00	25 00	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and weed seeds.	4832
5.22	3.00	10.95	9.00	28 00	Cottonseed meal, distiller's grains, malt sprouts, corn, oats, barley, grain screenings, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, grain screenings, corn, oats, barley, molasses, salt, and a large amount of weed seeds.	3873
5.12	3.00	11.64	9.00	1 30	Cottonseed meal, distiller's grains, malt sprouts, corn, oats, barley, grain screenings, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, grain screenings, corn, oats, barley, molasses, salt, and a large amount of weed seeds.	4478
4.46	3.00	10.20	9.00	26 50	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and a small amount of weed seeds.	4126
4.35	3.00	9.25	9.00	28 00	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and a considerable proportion of weed seeds.	4439

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4152	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Manheim, B. R. Hollinger,	452	Per ct. 10.75	Per ct. 16.60	Per ct. 17.00
5077	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Pottstown, A. K. Kulp, --	1377	11.45	15.95	17.00
4216	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	York, F. Loucks & Son, -	516	12.03	16.57	17.00
3999	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Jeannette, N. C. Maines, -	299	11.02	16.45	17.00
4200	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	York, Miller Bros., -----	500	12.49	16.04	17.00
4251	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Downingtown, E. Vinton Philips.	551	11.36	17.47	17.00
3820	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Troy, H. C. Rolison, -----	120	14.51	14.54	17.00
4059	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	New Brighton, M. H. Stager.	399	12.32	15.10	17.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
5.34	3.00	11.41	9.00	\$25 00	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and a large amount of weed seeds.	4192
4.59	3.00	10.70	9.00	1 30	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and a considerable proportion of weed seeds.	407
4.54	3.00	11.23	9.00	1 40	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and a small amount of weed seeds.	4216
4.49	3.00	11.40	9.00	28 00	Cottonseed meal, distiller's grains, malt sprouts, corn, oats, barley, grain screenings, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, grain screenings, corn, oats, barley, molasses, salt, and a small amount of weed seeds.	3999
4.96	3.00	11.29	9.00	1 50	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and a large amount of weed seeds.	4200
5.44	3.00	9.40	9.00	25 50	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and a large amount of weed seeds.	4251
5.88*	3.00	10.23	9.00	28 00	Cottonseed meal, distiller's grains, malt sprouts, corn, oats, barley, grain screenings, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, oats, barley, molasses, salt and weed seeds.	3820
5.92	3.00	11.80	9.00	1 30	Cottonseed meal, distiller's grains, malt sprouts, corn, oats, barley, grain screenings, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, grain screenings, corn, oats, barley, molasses, salt, and a large amount of weed seeds.	4099

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4223	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	York, Strayer Bros. Co.,	523	Per ct. 9.74	Per ct. 16.45	Per ct. 17.00
3810	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Athens, J. J. Weller, -----	110	8.77	15.46	17.00
4082	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Martinsburg, John L. Wine-land.	982	12.58	15.49	17.00
4330	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Hanover, W. J. Young & Co.	530	11.83	16.71	17.00
		Average, -----		11.97	16.05	-----
4754	Molasses Corn Flakes, The Western Grain Products Co., Hammond, Ind.	Sunbury, Blank & Gottshall.	1054	10.56	23.04	24-26
4423	Molasses Corn Flakes, The Western Grain Products Co., Hammond, Ind.	Mechanicsburg, A. B. Harnish.	723	11.27	21.85	24-26
		Average, -----		10.91	22.43	-----
4259	"Diamond Cut," Stock Feed, E. S. Woodworth & Co., Minneapolis, Minn. PROPRIETARY HORSE AND MULE FEEDS.	West Chester, I. H. Bailey,	559	10.96	11.56	11-14
5109	Alfalfa Horse Feed, Alfalfa Feed Mills, Philadelphia, Pa.	Philadelphia, Alfalfa Feed Mills.	1409	8.55	11.44	11.50
4630	Horse Chop, Altoona Feed Mills, Altoona, Pa.	Altoona, Altoona Feed Mills.	930	9.21	12.19	10-12
4430	Acme Horse Feed No. 1, American Alfalfa Food Co., Wichita, Kan.	Harrisburg, Mock & Hartman.	730	9.65	14.06	12.00
4115	Suerene Alfalfa Horse and Mule Feed, American Milling Co., Chicago, Ill.	Lancaster, John W. Eshelman.	415	9.85	12.31	10.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.70	Per ct. 3.00	Per ct. 11.58	Per ct. 9.00	\$26 00	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and a large amount of weed seeds.	4223
5.00	3.00	9.59	-----	1 35	-----	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and weed seeds.	3810
3.42	3.00	10.42	9.00	26 50	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, wheat, oats, barley, molasses, salt and weed seeds.	4682
5.53	3.00	11.01	9.00	26 00	Cottonseed meal, distiller's grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and three-tenths of one per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, corn, oats, wheat, barley molasses, salt and weed seeds.	4230
4.93	-----	10.77	-----	26 74			
10.39	7-9	11.37	10.00	1 45	Broken grains of corn, oats, wheat, barley, cottonseed meal, corn grains and cane molasses.	Cottonseed meal, distillers' grains, malt sprouts, corn, oats, wheat, barley, molasses and small amount of weed seeds.	4754
8.79	7-9	10.25	10.00	31 00	Broken grains of corn, oats, wheat, barley, cottonseed meal, corn grains and cane molasses.	Cottonseed meal, distillers' grains, malt sprouts, corn, oats, wheat, barley, molasses and a large amount of weed seeds.	4423
9.59	-----	10.81	-----	30 00			
4.50	4.5-5.5	5.40	4.5-6.5	32 00	Corn, barley, rye, middlings and linseed meal.	As certified, -----	4259
4.50	4.50	10.37	9-10	26 00	Alfalfa, D. B. grains, corn, barley, oats, peanut and linseed meal.	As certified, -----	5109
4.66	5.00	6.50	9.00	1 55	Corn, hominy, oat middlings, oat hulls, rye middlings and bran.	As certified, -----	4630
3.85	3.12	13.82	13.00	34 00	Corn, oats, bran, alfalfa, shorts, linseed meal and salt.	As certified, -----	4430
4.75	3.50	10.89	15.00	30 00	Corn, oats, barley, wheat, buckwheat, alfalfa, linseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4115

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
3717	Sucrene Alfalfa Horse and Mule Feed, American Milling Co., Chicago, Ill.	Homer City, A. George & Son.	17	Per et. 10.51	Per et. 12.19	Per et. 10.00
4695	Sucrene Alfalfa Horse and Mule Feed, American Milling Co., Chicago, Ill.	Tyrone, Tyrone Fuel and Supply Co.	995	8.09	12.44	10.00
		Average, -----		9.48	12.31	-----
4642	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	Altoona, Central Feed Co.,	942	10.81	9.20	10.00
4116	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	Laucaster, John W. Eshelman.	416	12.31	11.30	10.00
4368	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	Greencastle, Greencastle Elevator Co.	668	11.52	10.55	10.00
4264	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	West Chester, E. D. Hemp-hill.	564	12.92	9.26	10.00
4303	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	Brookville, Kline's Sifter Mills.	603	13.51	8.83	10.00
3829	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	Canton, Homer Rockwell,--	129	14.00	9.50	10.00
4696	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	Tyrone, Tyrone Fuel and Supply Co.	996	10.38	10.16	10.00
		Average, -----		12.20	9.83	-----
4664	Acme Horse Feed, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle, ---	964	8.62	13.31	8.00
4035	Ubiko Horse and Stock Feed, The J. W. Biles Co., Cincinnati, Ohio.	Monongahela, D. E. Gamble.	335	7.84	18.56	16.00
4844	Horse Chop, Bloomsburg Roller Mills, Bloomsburg, Pa.	Bloomsburg, Bloomsburg Roller Mills.	1144	10.28	10.75	9.00
5102	Horse Feed, Chester Milling Co., Chester, Pa.	Chester, Chester Milling Co.	1402	10.00	11.19	11.81

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.95	Per ct. 3.50	Per ct. 11.50	Per ct. 18.00	\$31 00	Corn, oats, barley, wheat, buckwheat, alfalfa, linseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3717
2.95	3.50	15.80	15.00	30 00	Corn, oats, barley, wheat, buckwheat, alfalfa, linseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4695
3.88	-----	12.73	-----	30 33			
3.49	3.50	9.11	12.00	30 00	Corn, oats, barley, wheat, molasses, mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Corn, oats, barley, wheat, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings, salt and small amount of weed seeds.	4642
4.38	3.50	9.24	12.00	30 00	Corn, oats, barley, wheat, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Corn, oats, barley, wheat, malt sprouts, grain screenings molasses, salt and a considerable proportion of weed seeds.	4116
4.41	3.50	9.09	12.00	27 00	Corn, oats, barley, wheat, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Corn, oats, barley, wheat grain, screenings, molasses, salt and a small amount of weed seeds.	4368
3.85	3.50	10.02	12.00	28 00	Corn, oats, barley, wheat, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Corn, oats, barley, wheat grain, screenings, molasses, salt and a small amount of weed seeds.	4264
3.26	3.00	10.16	13.50	29 00	Corn, oats, barley, wheat, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Corn, oats, barley, wheat grain, screenings, molasses, salt and a small amount of weed seeds.	4303
4.22	3.50	9.55	12.00	29 00	Corn, oats, barley, wheat, grain screenings, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3829
3.45	3.50	10.41	12.00	28 00	Corn, oats, barley, wheat, molasses, mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Corn, oats, barley, wheat, molasses and mixed broken grains from wheat, oats, buckwheat and barley screenings, salt and a small amount of weed seeds.	4696
3.87	-----	9.65	-----	28 71			
4.33	3.00	7.47	14.00	1 50	Whole grains, also rye oats, hominy, barley and wheat feeds.	Oats, rye, hominy, barley and wheat feed.	4664
7.40	6.00	8.61	9.00	1 75	Wheat middlings, hominy meal, wheat bran, brewers dried grains and old process linseed meal.	As certified, -----	4035
2.87	4.00	2.67	-----	32 00	Corn, oats, rye, wheat and possibly a small amount of rye middlings.	Corn, oats, rye, wheat and rye middlings.	4844
3.59	4.92	7.35	8.10	1 70	Alfalfa meal, cracked corn, oats, barley and oil meal.	As certified, -----	5102

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
4653	Horse Chop, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ---	953	Per ct. 8.88	Per ct. 11.88	Per ct. 8-15
4614	Horse Crop, E. D. Clark, Altoona, Pa.	Altoona, J. B. Forsht, ---	914	9.01	11.69	8-10
		Average, -----		8.92	11.79	-----
4450	Summer Excelsior Horse Feed, Edwards & Loomis Co., Chicago, Ill.	Harrisburg, J. H. Sheesley,	750	9.64	11.63	10.00
3908	Daisy Horse Feed, The Great Western Cereal Co., Chicago, Ill.	St. Mary's, L. Ritter, ---	208	8.81	16.65	12.00
4615	Horse Chop, Hagey Bros., Martinsburg, Pa.	Altoona, J. B. Forsht, ---	915	9.14	11.44	7-10
4671	Horse Chop, Klepser Bros., Martinsburg, Pa.	Martinsburg, Klepser Bros.,	971	9.47	13.38	7.00
4646	Horse Chop, Klepser Bros., Martinsburg, Pa.	Altoona, Klepser Bros., --	946	9.04	13.38	7.00
		Average, -----		9.25	13.38	-----
4908	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Hazleton, Geo. W. Engle,--	1208	17.31	10.62	12.00
4824	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Danville, Haney-Frazier Milling Co.	1124	18.02	11.41	12.00
5147	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Washington, G. W. McBrier.	1447	15.57	11.81	12.00
4989	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Mercer, Mercer Milling and Lumber Co., Ltd.	1289	15.70	11.97	12.00
4681	Badger Alfalfa Horse and Mule Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Martinsburg, John L. Wine-land.	981	14.88	11.63	12.00
		Average, -----		16.29	11.49	-----
3807	Best Feed for Horses, C. P. Matthews & Sons, Inc., Scranton, Pa.	Towanda, C. P. Matthews & Sons, Inc.	107	12.22	11.35	9-10
4874	Best Mixed Feed for Horses, C. P. Matthews & Sons, Inc., Scranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	1174	8.69	12.06	9-10
4935	Best Mixed Feed for Horses, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	1235	9.31	12.19	9-10
		Average, -----		10.07	11.87	-----
3973	Alfalfa Horse Feed, McFarland Supply Co., Greensburg, Pa.	Greensburg, McFarland Supply Co.	273	10.34	15.00	11.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.25	Per ct. 3.5-4.5	Per ct. 7.00	Per ct. 7-9	\$30 00	Shelled corn, ear corn, oats, oat middlings, oat shorts, oat hulls, flour middlings and rye middlings.	As certified, -----	4653
4.45	3.5-4.5	7.22	7-9	1 65	Shelled corn, ear corn, oats, oat middlings, oat shorts, oat hulls, flour middlings and rye middlings.	As certified, -----	4614
4.35	-----	7.11	-----	31 50			
3.88	3.50	8.80	9.00	35 00	Rollled oats and barley, --	As certified, -----	4450
3.90	2.50	12.01	11.00	28 00	Oats, cottonseed meal, alfalfa meal, oat middlings, grain screenings, N. O. molasses and $\frac{3}{4}$ of 1 per cent. salt.	Oats, oat hulls, cottonseed meal, alfalfa meal, oat middlings, grain screenings, N. O. molasses and salt.	3608
3.98	3-5	5.35	3-9	33 00	Ear corn, oats, barley and middlings.	As certified, -----	4615
6.53	3.00	6.15	7-9	1 00	Barley feed, rye middlings and hominy meal.	As certified, -----	4671
5.93	3.00	5.55	7-9	31 00	Barley feed, rye middlings and hominy meal.	As certified, -----	4646
6.23	-----	5.85	-----	31 50			
2.38	3.00	9.17	12.00	1 65	Corn, oats, alfalfa and syrup.	As certified, -----	4968
2.36	3.00	8.53	12.00	1 65	Corn, oats, alfalfa and syrup.	As certified, -----	4824
2.71	3.00	9.93	12.00	33 00	Corn, oats, alfalfa and syrup.	As certified, -----	5147
2.01	3.00	8.83	12.00	30 00	Corn, oats, alfalfa and syrup.	As certified, -----	4989
2.31	3.00	10.09	12.00	30 00	Corn, oats, alfalfa and syrup.	As certified, -----	4681
2.35	-----	9.31	-----	31 80			
4.28	3-4	4.51	6-7	31 00	Corn, oats, wheat middlings and linseed meal.	As certified, -----	3807
5.75	3-4	6.65	6-7	1 65	Corn, oats, wheat middlings and linseed meal.	As certified, -----	4874
4.63	3-4	6.37	6-7	1 55	Corn, oats, wheat middlings and linseed meal.	As certified, -----	4935
4.89	-----	5.84	-----	31 67			
4.28	3.00	12.24	15.00	1 60	Corn and oats chop, ground alfalfa meal, bran and oil meals.	As certified, -----	3973

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4787	McMahan's Prepared Horse Feed, C. H. McMahan, Milton, Pa.	Milton, C. H. McMahan, --	1087	Per ct. 7.41	Per ct. 20.00	Per ct. 18-20
5114	Sugarota Horse Feed, North West Mills Co., Winona, Minn.	Doylestown, H. S. Beidler,	1414	12.12	10.50	10.00
4945	Buffalo Horse Feed, A. Nowak & Son, Buffalo, N. Y.	Nanticoke, Frank Stooks,--	1245	8.63	8.56	7-9
3905	Primo Sylva Horse Feed, Penna. Primo Feed Co., Inc., Harrisburg, Pa.	Ridgway, C. O. Salberg, --	205	9.02	15.25	14.69
5013	Peters' Arab Balanced Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Oil City, Eenterprise Milling Co.	1313	14.42	10.72	9.00
4044	Peters' Arab Balanced Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Charleroi, R. C. Mountser,	344	17.84	9.95	9.00
5018	Peters' Arab Balanced Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Oil City, New Model Milling Co.	1318	14.64	10.64	9.00
4039	Peters' Arab Balanced Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Pittsburg, The I. W. Scott Co.	359	12.41	11.12	9.00
4963	Peters' Arab Balanced Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Butler, B. F. Shannon & Co.	1263	10.18	10.35	9.00
		Average, -----		13.89	10.56	-----
4795	Horse Chop, S. F. Phillips & Son, Milton, Pa.	Milton, S. F. Phillips & Son.	1095	9.28	10.94	-----
5170	Molac Horse Feed, The Quaker Oats Co., Chicago, Ill.	Canonsburg, Dunlap Bros.,	1470	9.13	10.88	10.00
4095	Molac Horse Feed, The Quaker Oats Co., Chicago, Ill.	New Brighton, J. H. Hornby & Sons.	395	16.47	9.70	10.00
4123	Molac Horse Feed, The Quaker Oats Co., Chicago, Ill.	Uniontown, King Bros., --	323	12.47	10.45	10.00
3938	Molac Horse Feed, The Quaker Oats Co., Chicago, Ill.	Jeannette, N. C. Maines, --	298	12.95	9.85	10.00
4160	Molac Horse Feed, The Quaker Oats Co., Chicago, Ill.	Apollo, L. Todd Owens, --	360	12.12	10.50	10.00
4040	Molac Horse Feed, The Quaker Oats Co., Chicago, Ill.	Belle Vernon, Reichard Bros.	340	13.47	10.59	10.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.25	Per ct. 7-8	Per ct. 9.32	Per ct. 9-10	\$1 50	Brewers dried grains, hominy meal, cottonseed meal and middlings.	As certified, -----	4787
3.70	3.00	14.68	14.00	29 00	Malt sprouts, corn, oats, flax bran, barley, oat clips, molasses and a small per cent. of salt.	Malt sprouts, corn, oats, barley, flax plant refuse and shives, oat clips, molasses, salt and a small amount of weed seeds.	5114
3.83	4-5	11.62	10-12	1 65	Hominy, oats, oat hulls, corn and cob.	As certified, -----	4945
3.65	5.11	13.01	10.98	1 65	Corn, bran, malt sprouts, wheat bran, alfalfa, cottonseed meal, corn and oats.	As certified, -----	3905
3.12	2.60	8.02	15.00	1 60	Corn, oats and alfalfa flavored with syrup.	As certified, -----	5013
3.43	2.00	6.66	15.00	33 00	Corn, oats and alfalfa flavored with syrup.	As certified, -----	4044
2.88	2.00	9.56	15.00	32 00	Corn, oats and alfalfa flavored with syrup.	As certified, -----	5018
3.23	2.00	7.10	15.00	34 50	Corn, oats and alfalfa flavored with syrup.	As certified, -----	4059
2.16	2.00	9.12	15.00	32 00	Corn, oats and alfalfa flavored with syrup.	As certified, -----	4963
2.96	-----	8.09	-----	32 70			
4.53	-----	5.30	-----	1 70	Cracked corn, cracked oats, cracked rye and wheat bran.	As certified, -----	4795
3.85	3.25	9.52	9.00	1 60	Alfalfa, corn, oats, oatmeal mill by-product (oat shorts, oat hulls, oat middlings), barley, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5170
2.92	3.25	9.08	9.00	1 50	Alfalfa, corn, oats, oatmeal mill by-product (oat shorts, hulls, oat middlings), barley, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4095
2.48	3.25	8.74	9.00	1 60	Alfalfa, corn, oats, oat middlings, oat hulls, barley, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4023
2.51	3.25	8.71	9.00	1 60	Alfalfa, corn, oats, oat middlings, oat hulls, barley, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	3998
3.59	3.25	9.69	10.50	1 65	Alfalfa, corn, oats, oat middlings, oat hulls, barley, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4060
3.61	3.25	9.95	10.50	1 80	Alfalfa, corn, oats, oat middlings, oat hulls, barley, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4040

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5140	Molae Horse Feed, The Quaker Oats Co., Chicago, Ill.	Washington, C. B. Ruch, --	1440	Per ct. 12.38	Per ct. 10.27	Per ct. 10.00
		Average, -----		12.71	10.32	-----
4823	Sugarine Horse Feed, The Sugarine Co., Chicago, Ill.	Danville, Haney - Frazier Milling Co.	1123	9.81	10.31	10.00
5078	Chicago Alfalfa Horse and Mule Feed, The Western Grain Products Co., Hammond, Ind.	Pottstown, A. K. Kulp, --	1378	10.38	13.50	10.00
3843	CALF MEALS. Blachford's, J. W. Barwell, Waukegan, Ill.	Wellsboro, Geo. C. & F. A. Brooks.	143	9.06	27.25	25.00
4392	Blachford's, J. W. Barwell, Waukegan, Ill.	Scotland, M. Ickes, -----	692	10.38	26.31	25.00
4955	Blachford's, J. W. Barwell, Waukegan, Ill.	Butler, H. J. Klingler & Co.	1255	9.75	27.63	25.00
3890	Blachford's, J. W. Barwell, Waukegan, Ill.	Port Allegany, Port Allegany Milling Co.	190	9.75	25.00	25.00
		Average, -----		9.73	26.55	-----
3899	Gregson, The Great Western Cereal Co., Chicago, Ill.	Emporium, Emporium Milling Co.	199	8.08	27.25	25.00
5042	Schumacher, The Quaker Oats Co., Chicago, Ill.	Titusville, L. S. Clark, --	1342	8.00	19.56	14.00
3350	Schumacher, The Quaker Oats Co., Chicago, Ill.	Warren, T. N. Dunham, --	250	8.97	19.88	19.00
4613	Schumacher, The Quaker Oats Co., Chicago, Ill.	Altoona, J. B. Forsht, ---	913	8.42	20.81	19.00
4081	Schumacher, The Quaker Oats Co., Chicago, Ill.	Kittanning, J. A. Gault & Co.	381	8.51	19.94	19.00
3714	Schumacher, The Quaker Oats Co., Chicago, Ill.	Homer City, A. George & Son.	14	8.41	19.75	19.00
3996	Schumacher, The Quaker Oats Co., Chicago, Ill.	Jeannette, Keystone Supply Co.	296	8.61	19.56	19-21
		Average, -----		8.48	19.92	-----
	MISCELLANEOUS FEEDS.					
3737	Mixed Feed, Barnesboro Milling Co., Barnesboro, Pa.	Barnesboro, Barnesboro Milling Co.	37	11.90	9.94	4-8.50

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.39	Per ct. 3.25	Per ct. 9.19	Per ct. 9.00	\$1 55	Alfalfa, corn, oats, oatmeal mill by-product (oat shorts, hulls, oat middlings), barley, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5140
3.19	-----	9.26	-----	32 29			
3.23	3.50	10.30	12.00	28 00	Corn, oats, barley, wheat, molasses and oats, barley and wheat screenings and $\frac{1}{2}$ of 1 per cent. salt.	Corn, oats, barley, wheat, molasses and oats, barley and wheat from screenings, salt and a small amount of weed seeds.	4823
3.35	3.00	12.83	15.00	1 55	Corn, oats, alfalfa, linseed meal and cane molasses.	As certified, -----	5678
5.90	5.00	5.07	5.00	3 50	Locust bean meal, wheat flour, flaxseed, cottonseed meal, peas, beans and lentils.	As certified, salt present.	3843
5.25	5.00	5.07	-----	3 75		Cottonseed meal, flaxseed meal, locust bean meal, wheat flour, peas, beans, lentils and salt.	4392
5.15	5.00	5.17	5.00	3 50	Locust bean meal, wheat flour, flaxseed, peas, beans and lentils.	As certified, salt present.	4955
4.93	5.00	7.02	5.00	3 50	Locust bean meal, wheat flour, flaxseed, cottonseed meal, peas, beans and lentils.	As certified, salt present.	3890
5.31	-----	5.58	-----	3 56			
7.15	5.00	6.33	5.00	3 00		Cottonseed meal, linseed meal, bean meal, oatmeal, wheat flour, leguminous seeds and salt.	3899
9.25	8.00	2.85	3.00	3 25	Oatmeal, wheatmeal, ground flaxseed and casein.	As certified, -----	5042
8.93	8.00	2.97	3.00	5 00	Oatmeal, wheatmeal, ground flaxseed and casein.	As certified, -----	3950
8.85	8.00	2.17	3.00	4 00		Oatmeal, wheatmeal, flaxseed and casein.	4613
8.60	8.00	3.56	3.00	3 50		Oatmeal, wheatmeal, flaxseed and casein.	4081
9.28	8.00	2.95	3.00	3 50	Oatmeal, wheatmeal, ground flaxseed and casein.	Oatmeal, wheatmeal, flaxseed buckwheat and casein.	3714
7.55	8-9.5	1.71	3.00	3 50	Oatmeal, wheatmeal, ground flaxseed and casein.	As certified, -----	3906
8.74	-----	2.70	-----	3 71			
3.78	2-2.50	3.20	2-5	28 00	Corn and oats screenings.	Corn, oats, trace of barley and buckwheat hulls.	3737

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
3732	Barley Feed, Deutsch & Sickert Co., Milwaukee, Wis.	Patton, F. E. Farabaugh,	32	Per ct. 8.87	Per ct. 14.88	Per ct. 13.00
4174	Flaxo Meal, C. E. Dingwall Co., Milwaukee, Wis.	Elizabethtown, E. H. Lehman.	474	8.40	15.88	15.00
4190	Flaxo Meal, C. E. Dingwall Co., Milwaukee, Wis.	Bird-in-hand, J. A. Umble & Bro.	490	7.65	17.50	15.00
		Average, -----		8.02	16.69	-----
4704	No. 1 Mixed Feed, Feed Grain Co., Philipsburg, Pa.	Philipsburg, Feed Grain Co.	1004	10.08	12.69	6-8
4593	Graino Barley Feed, The Great Western Cereal Co., Chicago, Ill.	Bedford, N. M. Diehl, ---	893	7.27	11.06	10.00
4065	Imperial Feed Meal, The Imperial Grain and Milling Co., Toledo, Ohio.	Vandergrift, T. J. Rowley.	365	10.58	7.06	7.00
3736	Pure Eagle Barley Feed, J. B. A. Kern & Sons, Milwaukee, Wis.	Barnesboro, Barnesboro Milling Co.	36	8.76	12.88	13.75
3734	Pure Eagle Barley Feed, J. B. A. Kern & Sons, Milwaukee, Wis.	Hastings, Hastings Mill, --	34	9.30	14.31	13.75
4096	Pure Eagle Barley Feed, J. B. A. Kern & Sons, Milwaukee, Wis.	New Brighton, J. H. Hornby & Sons.	396	10.22	13.13	13.75
4109	Eagle Barley Feed, J. B. A. Kern & Sons, Milwaukee, Wis.	Carlisle, S. B. Jackson, --	709	9.06	12.13	13.75
		Average, -----		9.33	13.11	-----
5107	Kornfalfa Feed, Kornfalfa Feed Milling Co., Kansas City, Mo.	Chester, T. F. McCall, ---	1407	9.11	11.63	11.00
4937	Mixed Feed, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	1237	9.59	9.88	7-9
4870	Mixed Feed, C. P. Matthews & Sons, Inc., Scranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	1170	9.20	9.75	7-9
		Average, -----		9.39	9.82	-----
3804	Mixed Feed, C. P. Matthews & Sons, Inc., Scranton, Pa.	Monroeton, C. P. Matthews & Sons, Inc.	104	13.77	10.38	-----
4785	Milk and Muscle Producer, C. H. McMahan.	Milton, C. H. McMahan, --	1085	7.11	24.31	23-25
4786	Special Pig Grower, C. H. McMahan.	Milton, C. H. McMahan, --	1086	7.59	15.69	15-15.87
3733	Barley, John H. Miller's Sons, Tyrone, Pa.	Patton, F. E. Farabaugh,	33	11.26	13.50	-----
4677	Barley Feed, Allen V. Smith, Marcellus Falls, N. Y.	Martinsburg, Klepser Bros.,	977	8.16	15.56	14-15
4173	Prime Cotton Seed Feed, Southern Fibre Co., Portsmouth, Va.	Lititz, Aaron G. Hershey, --	433	6.94	6.25	10.00
4217	Prime Cotton Seed Feed, Southern Fibre Co., Portsmouth, Va.	Parkesburg, E. B. Keen & Co.	547	6.32	6.44	10.00
		Average, -----		6.63	6.35	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.05	Per ct. 3.00	Per ct. 10.30	Per ct. 9.00	\$28 00	-----	Barley and small amount of oats.	3732
13.05	12.00	11.85	12.50	26 50	Pure ground flax screenings.	As certified, -----	4174
11.35	12.00	11.80	12.50	26 50	Pure ground flax screenings.	As certified, -----	4190
12.20	-----	11.82	-----	26 50	-----	-----	-----
6.30	4-6	4.75	9.00	1 70	Ear corn, corn, oats, oat hulls, wheat middlings, hominy meal and salt.	As certified, -----	4704
6.30	4.00	11.39	9.00	1 45	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts, oat hulls and maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	4593
3.53	2.50	8.11	9.00	1 60	Ear corn and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	4065
4.35	4.00	8.75	9.04	30 00	-----	Barley, buckwheat and trace of oats.	3736
4.20	4.00	9.20	9.04	31 00	-----	Barley and small amount of oats.	3734
4.20	4.00	9.63	9.04	1 45	-----	Barley, -----	4096
4.00	4.00	9.30	9.01	1 50	Pure eagle barley feed, --	As certified, -----	4409
4.19	-----	9.22	-----	30 00	-----	-----	-----
4.13	4.00	10.17	12.00	1 70	Alfalfa, corn and oats, --	As certified, -----	5107
4.40	4-6	5.97	5-6	1 35	Hominy, corn and oat feed.	As certified, -----	4937
4.85	4-6	5.57	5-6	1 40	Hominy, corn and oat feed.	As certified, -----	4870
4.63	-----	5.77	-----	27 50	-----	-----	-----
2.33	-----	4.32	-----	1 25	Ear corn, rye, oats, buckwheat and shelled corn.	As certified, -----	3804
7.25	7-9	10.45	10-11	31 00	Brewers' dried grains, malt sprouts, cottonseed meal and hominy meal.	As certified, -----	4785
8.85	8-8.50	7.37	6-7	1 50	Brewers' dried grains, hominy meal, malt sprouts, distillers' dried grains and cottonseed meal.	As certified, -----	4786
2.85	-----	6.32	-----	-----	-----	Barley, -----	3733
4.68	3-5	10.95	7-12	1 50	-----	Barley, -----	4677
2.65	1.80	34.46	35.00	21 00	Cottonseed meal and cottonseed hulls.	As certified, -----	4133
1.56	1.80	30.50	35.00	22 00	Cottonseed meal and cottonseed hulls.	As certified, -----	4247
2.11	-----	32.48	-----	21.50	-----	-----	-----

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
1444	"Boveta Brand," Cottonseed Hull and Meal Mixture, Southern Oil Co., Charlotte, N. C.	Middletown, Mumma & Snively.	744	Per ct. 7.62	Per ct. 17.25	Per ct. 17.00	
4736	Ordinary Feed Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Du Bois, S. A. Eisenman,	1036	10.31	8.94	7.50-9	
3705	Ordinary Feed Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Blairsville, Smith & McKelvey.	5	12.75	8.13	7.50-9	
4716	Ordinary Feed Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Munson Station, Jacob Smutzinger.	1016	9.99	8.19	7-9	
		Average, -----		11.01	8.42	-----	
4496	Mixed Feed, Wertz Milling Co., Reading, Pa.	Reading, Wertz Milling Co.,	796	7.77	11.06	10.00	
4488	Mixed Feed, Wertz Milling Co., Reading, Pa.	Reading, A. G. C. Wertz & Bro.	788	9.20	11.38	10.00	
		Average, -----		8.48	11.22	-----	
MISCELLANEOUS CHOP FEEDS.							
Corn Chops.							
3885	Corn Meal, Aeme Milling Co., Olean, N. Y.	Coudersport, Gates Bros.,	185	17.15	8.06	-----	
5171	Coarse Corn Meal, The D. G. Bamford Milling Co., Midway, Pa.	Carnegie, C. A. Foster, --	1471	11.93	8.50	-----	
4809	Corn Chop, Buffalo Flour Milling Co., Lewisburg, Pa.	Lewisburg, Buffalo Flour Milling Co.	1109	10.65	10.38	-----	
4656	Superior Corn Feed Meal, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ---	956	9.68	8.88	10.00	
3925	Feed Meal, Delp, Ettinger & Co., Bourbon, Ind.	Johnsonburg, Cash Wholesale Co.	225	12.67	9.19	-----	
3942	Corn Meal, C. L. Douglass, Bradford, Pa.	Bradford, C. L. Douglass,	242	17.81	7.81	-----	
3946	Feed Meal, T. N. Dunham, Warren, Pa.	Warren, T. N. Dunham, --	246	16.70	8.19	-----	
5038	Unbolted Corn Meal, Emlenton Milling Co., Ltd., Emlenton, Pa.	Emlenton, Emlenton Milling Co., Ltd.	1338	10.50	8.88	-----	
4905	Yellow Corn Chop, Geo. W. Engle, Hazleton, Pa.	Hazleton, John G. Seager's Sons.	1205	10.35	8.94	-----	
3933	Corn Meal, L. A. Fischer & Co., Bradford, Pa.	Bradford, L. A. Fischer & Co.	233	18.07	8.25	-----	
4703	Pure Corn Meal, Globe Elevator Co., Buffalo, N. Y.	Philipsburg, Feed Grain Co.	1003	12.00	8.38	8-10	
4830	Corn Chop, Haney-Frazier Milling Co., Danville, Pa.	Danville, Haney-Frazier Milling Co.	1130	10.95	8.56	-----	
3823	Husted Yellow Feed Meal, Husted Milling Co., Buffalo, N. Y.	Alba, S. S. Cosper, -----	123	13.84	8.94	-----	
3966	Corn Chop, Latrobe Wholesale Grocery Co., Latrobe, Pa.	Latrobe, Latrobe Wholesale Grocery Co.	266	16.27	8.44	-----	
4946	Corn Meal, A. Nowak & Son, Buffalo, N. Y.	Nanticoke, Frank Stooks,--	1246	11.35	8.25	-----	
4792	Corn Chop, S. F. Phillips & Son, Milton, Pa.	Milton, S. F. Phillips & Son.	1092	9.78	9.44	-----	
		Average, -----		13.10	8.69	-----	

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or ewt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.50	Per ct. 3.00	Per ct. 27.75	Per ct. 40.00	\$26 50	Cottonseed meal and hulls.	As certified, -----	4444
4.50	3.50-4.50	1.97	6-8	1 50	Yellow shelled and yellow ear corn.	As certified, -----	4736
4.13	3.50-4.50	3.76	6-8	32 00	Yellow shelled and yellow ear corn.	As certified, -----	3705
4.10	3.50-4.50	5.45	6-8	28 00	Yellow shelled and yellow ear corn.	As certified, -----	4716
4.24	-----	3.72	-----	30 00	Corn, oats, rye and middlings. Corn, oats, rye bran and middlings.	As certified, -----	4496
5.08	3.00	4.55	9.00	30 00		As certified, -----	4488
5.00	3.00	5.20	9.00	1 50		As certified, -----	4488
5.04	-----	4.87	-----	30 00		As certified, -----	4488
3.00	-----	1.84	-----	1 50	Corn, -----	As certified, -----	3885
4.25	-----	1.83	-----	26 00	Corn meal, -----	As certified, -----	5171
4.20	-----	2.17	-----	29 00	Corn, -----	As certified, -----	4800
4.60	3.00	2.25	15.00	1 55	-----	Corn, -----	4656
4.30	-----	1.90	-----	33 00	Yellow corn, -----	As certified, -----	3924
3.55	-----	1.87	-----	28 00	Corn, -----	As certified, -----	3942
3.95	-----	2.10	-----	27 00	Corn, -----	As certified, -----	3946
4.15	-----	1.92	-----	27 00	Pure unbolted corn meal,	As certified, -----	5038
4.10	-----	2.02	-----	1 40	Yellow corn chop, -----	As certified, -----	4905
3.55	-----	1.92	-----	28 00	Corn, -----	As certified, -----	3933
2.98	4-5	1.25	2-3	1 60	Pure corn meal, -----	As certified, -----	4703
3.85	-----	1.85	-----	1 50	Corn, -----	As certified, -----	4830
5.22	-----	2.40	-----	30 00	-----	Corn, -----	3823
3.00	-----	2.01	-----	29 00	Pure corn chop, -----	Corn, trace of oats and salt.	3966
3.65	-----	1.50	-----	1 50	-----	Corn, -----	4946
4.40	-----	2.20	-----	1 50	Corn, -----	As certified, -----	4792
3.91	-----	19.39	-----	29 25	-----	-----	-----

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
	Corn and Oats Chops.				Per ct.	Per ct.	Per ct.
5067	Corn and Oats Chop, A. P. Allen, Erie, Pa.	Erie, A. P. Allen, -----	1367	10.86	10.31	-----	
3859	A Chop, The Birkett Mills, Penn Yan, N. Y.	Westfield, L. Plank, -----	159	11.02	10.56	9.10	
4764	Pure Corn and Oats Chop, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	1064	9.67	9.19	-----	
4780	Corn and Oat Chop, Wm. F. Braun, Milton, Pa.	Milton, E. Datesman, ----	1080	10.14	9.81	4-6	
3764	Mixed Chop, Brown & Fassett, Tunkhannock, Pa.	Montrose, Brown & Fassett.	64	12.02	9.44	9.79	
4838	Corn and Oats Chop, Buffalo Flour Milling Co., Lewisburg, Pa.	Lewisburg, Buffalo Flour Milling Co.	1108	10.25	9.06	-----	
4779	Mix Chop, Buffalo Milling Co., Lewisburg, Pa.	Milton, Thomas R. Hull,---	1079	10.46	9.38	-----	
3813	No. 1 Feed, Cayuta Mills, Sayre, Pa.	Sayre, Cayuta Mills, -----	113	13.65	9.56	-----	
4417	Corn and Oats Chop, Chas. T. Coyle, Mt. Holly Springs, Pa.	Mt. Holly Springs, J. N. Weigel.	717	9.88	10.06	-----	
3793	Chop, Crescent Roller Mill, Ulster, Pa.	Ulster, Crescent Roller Mill,	96	12.10	9.50	-----	
5010	Corn and Oats Feed, Crouch Bros. Co., Erie, Pa.	Oil City, Clyde D. Duffee,---	1310	9.47	9.81	8.75	
3922	Corn and Oats Feed, Crouch Bros. Co., Erie, Pa.	Swanson Grocery Co.,-----	222	12.28	9.31	8.75	
4318	Corn and Oats Chop, Dayton Milling Co., Towanda, Pa.	Williamsport, Gold & King.	618	10.72	8.88	7-11	
3911	Corn and Oats Feed, C. L. Douglass, Bradford, Pa.	Bradford, C. L. Douglass,	241	14.48	9.56	-----	
4867	Corn and Oats Chop, Duncannon Flouring Mill Co., Duncannon, Pa.	Duncannon, Duncannon Flouring Mill.	1167	10.89	9.00	-----	
3945	Corn and Oats Feed, T. N. Dunham, Warren, Pa.	Warren, T. N. Dunham, ---	245	12.89	9.81	-----	
4741	Corn and Oats Chop, J. W. Eberts, Clearfield, Pa.	Clearfield, J. W. Eberts,--	1041	9.70	9.31	7-15	
4279	Corn and Oat Chop, Elder & Eckbert, Lewistown, Pa.	Lewistown, Elder & Eckbert.	579	10.83	9.31	-----	
3849	C. & O. Feed, Elkland Roller Mills, Elkland, Pa.	Wellsboro, Max Berakopf & Bro.	149	10.31	9.06	6-10	
5014	Pure Corn and Oats Chop, Enterprise Milling Co., Oil City, Pa.	Oil City, Enterprise Milling Co.	1314	10.55	10.81	-----	
4583	Mixed Chop, J. E. Ewing, Mt. Union, Pa.	Mt. Union, J. E. Ewing,---	883	11.41	9.00	-----	
3932	Corn and Oat Feed, L. A. Fischer & Co., Bradford, Pa.	Bradford, L. A. Fischer & Co.	232	14.61	9.88	-----	
4344	Corn and Oats Chop, Foresman & Kelsey Milling Co., Flemington, Pa.	Flemington, Foresman & Kelsey Milling Co.	644	11.42	8.94	10-13	
3953	Corn and Oats Chop, John H. Fuellhart, Youngsville, Pa.	Youngsville, John H. Fuellhart.	253	13.33	9.88	-----	
4915	Chop, Gibbs Milling Co., Nanticoke, Pa.	Nanticoke, Gibbs Milling Co.	1215	8.39	9.38	10.50	
3903	Corn and Oats Chop, Goods Mills, Newberry, Pa.	Emporium, C. B. Howard & Co.	203	13.77	8.94	-----	

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.35	-----	3.82	-----	\$25 00	Corn and oats, -----	As certified, -----	5067
4.50	3.75	4.87	6.00	1 75	Corn and oats, -----	As certified, -----	3859
4.30	-----	4.75	-----	1 50	Corn and oats, -----	As certified, -----	4764
4.40	2.5	4.32	-----	1 60	Corn and oats, -----	As certified, -----	4780
4.05	4.61	5.07	-----	1 65	Corn and oats, -----	As certified, -----	3764
4.28	-----	3.07	-----	31 00	Corn and oats, -----	As certified, -----	4808
4.25	-----	3.22	-----	1 70	Corn and oats, -----	As certified, -----	4779
2.95	-----	4.10	-----	33 00	Corn and oats, -----	As certified, -----	3813
4.48	-----	3.45	-----	1 80	Corn and oats, -----	As certified, -----	4417
4.01	-----	4.46	-----	32 00	Corn and oats, -----	As certified, -----	3796
4.65	4.05	4.15	3.42	1 40	Corn and oats, -----	As certified, -----	5010
3.80	4.05	3.60	3.42	30 00	Corn and oats, -----	As certified, -----	3922
4.13	2.5	5.02	-----	1 65	Corn and oats, -----	As certified, -----	4318
4.25	-----	3.83	-----	32 00	Corn and oats, -----	As certified, -----	3941
3.93	-----	2.90	-----	32 00	Corn and oats, -----	As certified, -----	4867
4.08	-----	4.95	-----	30 00	Corn and oats, -----	As certified, -----	3945
4.30	5-7	3.05	8.10	1 57	Corn and oats, -----	As certified, -----	4741
4.18	-----	2.72	-----	1 70	Corn and oats, -----	As certified, -----	4279
3.70	2-4	6.37	-----	1 60	-----	Corn and oats, -----	3849
4.75	-----	4.35	-----	1 40	Corn and oats, -----	As certified, -----	5014
3.68	-----	2.85	-----	29 00	Corn and oats, -----	As certified, -----	4583
4.05	-----	3.34	-----	32 00	Corn and oats, -----	As certified, -----	3932
4.13	3-5	3.20	4-8	1 60	Pure corn and oats, -----	As certified, -----	4344
4.25	-----	4.32	-----	1 60	Corn and oats, -----	As certified, -----	3953
5.08	6.86	6.42	5.20	1 40	-----	Corn and oats, -----	4915
2.90	-----	3.05	-----	1 55	Corn and oats, -----	As certified, -----	3903

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4284	Corn and Oats Chop, J. A. Goss & Bro., Maitland, Pa.	Lewistown, G. M. White---	584	Per ct. 12.49	Per ct. 9.56	-----
4106	Pure Corn and Oats Chop, Haid & Sweeney, Galitzin, Pa.	Cresson, H. J. Eberly, ----	406	14.59	8.69	-----
4831	Corn and Oats Chop, Haney-Frazier Milling Co., Danville, Pa.	Danville, Haney-Frazier Milling Co.	1131	11.74	8.31	-----
4981	Chop, Harmony Cereal Co., Harmony, Pa.	Harmony, Harmony Cereal Co.	1281	10.78	9.88	-----
4568	Mixed Chop, Huntingdon Milling Co., Huntingdon, Pa.	Huntingdon, Huntingdon Milling Co.	868	11.43	9.25	7-8
4574	Mixed Chop, Huntingdon Milling Co., Huntingdon, Pa.	Mapleton Depot, A. M. Parker & Son.	874	11.98	8.69	7-8
5027	Corn and Oats Chop, Lanson Bros., Tionesta, Pa.	Tionesta, Lanson Bros.,---	1327	9.95	9.81	-----
3965	Chop, Latrobe Wholesale Grocery Co., Latrobe, Pa.	Latrobe, Latrobe Wholesale Grocery Co.	265	14.82	9.00	-----
4071	Corn and Oats Chop, Leechburg Flouring Mill, Leechburg, Pa.	Leechburg, Leechburg Flouring Mill.	371	12.19	9.63	-----
3809	Mixed Chop, C. P. Matthews & Sons, Inc., Monroeton, Pa.	Towanda, C. P. Matthews & Sons, Inc.	109	*10.86	*9.25	6-10
4879	Chop, Miner-Hillard Milling Co., Miners' Mills, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	1179	8.91	9.19	8-11
4111	Corn and Oats Chop, Nein & Fisher, Lancaster, Pa.	Lancaster, Nein & Fisher,--	411	10.82	9.50	-----
4711	Mixed Chop, Phillipsburg Milling, Lighting and Heating Co., Phillipsburg, Pa.	Phillipsburg, Phillipsburg Milling, Lighting and Heating Co.	1011	10.98	9.38	8-43
4791	Corn and Oat Chop, S. F. Phillips & Son, Milton, Pa.	Milton, S. F. Phillips & Son.	1061	9.23	9.75	-----
5005	Pure Corn and Oats Chop, The Richards & Evans Co., Cortland, Ohio.	South Sharon, I. & Mike Nathan.	1305	9.05	10.44	8.18
3821	Corn and Oats Chop, H. C. Rollson, Troy, Pa.	Troy, H. C. Rollson, -----	121	14.40	10.31	-----
5004	Chop, Sharon Milling Co., Sharon, Pa.	South Sharon, I. & Mike Nathan.	1304	9.51	10.38	-----
5000	Pure Corn and Oats Chop, Sharon Milling Co., Sharon, Pa.	Sharon, Sharon Milling Co.,	1300	10.45	10.00	-----
4004	Corn and Oats Chop, O. P. Shoupe, Mt. Pleasant, Pa.	Mt. Pleasant, O. P. Shoupe.	304	12.48	9.81	7.10
3934	Corn and Oat Feed, Smith Bros., Bradford, Pa.	Bradford, Smith Bros.,----	234	12.27	10.00	-----
4740	Corn and Oats Chop, John W. Smith & Bro., Clearfield, Pa.	Clearfield, John W. Smith & Bro.	1040	10.38	8.81	-----
3919	Corn and Oats Chop, J. A. Stoll & Co., Kane, Pa.	Kane, J. A. Stoll & Co.,---	219	15.16	9.31	-----
5043	Corn and Oats Chop, Titusville City Mills, Titusville, Pa.	Titusville, Titusville City Mills.	1343	10.40	9.56	-----
5187	Corn and Oats Chop, The Toledo Grain and Milling Co., Toledo, Ohio.	Wilmerding, Routh & Co.,--	1487	9.78	9.38	10-12

*Excluded from average.

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.43	-----	Per ct. 3.20	-----	\$1 70	Corn and oats, -----	As certified, -----	4284
3.90	-----	2.35	-----	1 75	Corn and oats, -----	As certified, -----	4106
3.48	-----	1.93	-----	1 50	Corn and oats, -----	As certified, -----	4831
4.38	-----	3.47	-----	1 60	Corn and oats, -----	As certified, -----	4981
4.40	5-7	2.85	4-9	30 00	Corn and oats, -----	As certified, -----	4568
4.30	5-7	2.57	4-9	1 70	-----	Corn and oats, -----	4574
4.50	-----	4.52	-----	1 40	Corn and oats, -----	As certified, -----	5927
3.10	-----	2.94	-----	30 00	Corn and oats, -----	As certified, -----	3965
4.45	-----	3.87	-----	1 65	Corn and oats, -----	As certified, -----	4071
*4.25	2-6	*5.05	-----	*1 40	Corn and oats, -----	Corn, oats and rye,...	3809
3.37	4-6	4.92	5-6	1 57	-----	Corn and oats, -----	4879
5.05	-----	4.41	-----	1 60	Corn and oats, -----	As certified, -----	4111
4.33	4.47	3.57	1.79	1 75	Corn and oats, -----	As certified, -----	4711
4.50	-----	3.52	-----	1 50	Corn and oats, -----	As certified, -----	4791
4.65	3.13	4.77	0.10	1 50	Corn and oats chop, -----	As certified, -----	5005
2.75	-----	5.32	-----	32 00	Corn and oats, -----	As certified, -----	3821
5.38	-----	5.20	-----	1 50	-----	Corn and oats, -----	5004
4.70	-----	4.27	-----	1 50	Corn and oats, -----	As certified, -----	5000
4.05	2.05	4.27	6.50	32 00	Corn and oats, -----	As certified, -----	4004
3.95	-----	5.87	-----	32 00	Corn and oats, -----	As certified, -----	3934
4.23	-----	2.55	-----	1.50	Corn and oats, -----	As certified, -----	4740
3.75	-----	3.00	-----	32 00	Corn and oats, -----	As certified, -----	3919
4.40	-----	4.70	-----	25 00	Corn and oats, -----	As certified, -----	5043
4.55	4-6	2.41	6-8	1.65	Pure and unadulterated corn and oats.	As certified, -----	5187

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
3954	Corn and Oats Feed, Warren Mills Co., Warren, Pa.	Warren, Warren Mills Co.,	254	Per ct. 12.09	Per ct. 9.5)	-----
5154	Corn and Oats Chop, Waynesburg Milling Co., Waynesburg, Pa.	Waynesburg, Waynesburg Milling Co.	1454	9.44	10.44	-----
4288	Corn and Oats Chop, Wischaupt & Frazer, Port Royal, Pa.	Port Royal, Wischaupt & Frazer.	588	12.26	9.50	-----
	Corn, Oats and Barley Chops.	Average. -----		11.38	9.53	-----
5015	No. 1 Chop, Enterprise Milling Co., Oil City, Pa.	Oil City, Enterprise Milling Co.	1315	9.00	11.44	10.41
4119	Mixed Chop, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	419	10.86	11.13	6.00
4017	Uniontown Roller Mills Chop, Hogsett & Hankins, Uniontown, Pa.	Uniontown, Hogsett & Hankins.	317	14.19	9.44	8.00
3819	Corn Oat and Barley Feed "A," Husted Milling Co., Buffalo, N. Y.	Troy, H. M. Spalding & Son.	119	10.38	10.75	9-11
4950	Corn, Oats and Barley Chop, H. J. Klingler & Co., Butler, Pa.	Butler, H. J. Klingler & Co.	1250	8.60	10.19	-----
4005	Corn, Oats and Barley Chop, O. P. Shoupe, Mt. Pleasant, Pa.	Mt. Pleasant, O. P. Shoupe	305	10.73	10.69	8.50
3900	Mixed Chop, E. J. Smith, Emporium, Pa.	Emporium, E. J. Smith,---	200	14.37	9.50	-----
	Corn, Oats and Rye Chops.	Average, -----		11.16	10.45	-----
4854	Chop, Aqueduct Mills, Bloomsburg, Pa.	Catawissa, W. A. McCloughan.	1154	9.04	10.81	9.36
4167	Corn, Oats and Rye Chop, Columbia Milling Co., Columbia, Pa.	Columbia, Columbia Milling Co.	467	11.14	9.56	-----
4546	Corn, Oats and Rye Chop, Frank J. Erdman, Allentown, Pa.	Allentown, Frank J. Erdman.	846	10.71	10.81	-----
4798	Corn, Oats and Rye Chop, H. L. Follmer, Watson-town, Pa.	Watson-town, H. L. Follmer.	1098	9.56	11.31	-----
4215	Corn, Oats, Rye Chop, William Heidlebaugh, York, Pa.	York, A. F. Gross & Son,--	515	10.10	10.00	-----
4194	Corn, Oats and Rye Chop, J. C. Kreidler, York, Pa.	York, F. Z. Stauffer, -----	494	10.02	10.38	-----
5007	Corn, Oats and Rye Chop, J. H. Miller, Sharpsville, Pa.	Sharpsville, J. H. Miller,---	1307	9.50	10.56	-----
4338	Chop, J. B. Rieh, Woolrich, Pa.	Lock Haven, F. H. Dyer,--	638	11.09	10.19	-----
4942	No. 1 Feed, Scranton Flour and Grain Co., Scranton, Pa.	Scranton, Scranton Flour and Grain Co.	1242	10.07	9.69	-----
4213	Corn, Oats and Rye Chop, C. F. Werner, York, Pa.	York, Jacob Eyster, -----	513	11.72	10.63	-----
		Average, -----		10.29	10.39	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.00	-----	Per ct. 3.72	-----	\$29 00	Corn and oats, and possibly some rye.	Corn and oats, -----	3954
4.70	-----	5.87	-----	30 00	Corn and oats, -----	As certified, -----	5154
2.88	-----	2.10	-----	32 00	Corn and oats, -----	As certified, -----	4288
4.15	-----	3.91	-----	30 65			
6.60	3.73	5.10	6.98	1 30	Corn, oats and barley,---	As certified, -----	5015
5.90	2.00	5.11	6.00	28 00	Corn, oats and barley,---	As certified, -----	4119
3.95	3.00	3.38	5.00	1 50	Corn, oats and barley,---	As certified, -----	4017
4.00	4-6	5.38	7-10	1 60	Corn, oats, barley and three-fourths of one per cent. salt.	As certified, -----	3819
4.35	-----	4.50	-----	1 50	Corn, oats and barley,---	As certified, -----	4950
4.03	1.50	4.96	6.50	32 00	Corn, oats and barley,---	As certified, -----	4005
3.15	-----	3.10	-----	1.60	Corn, oats and a little barley.	As certified, -----	3990
4.57	-----	4.50	-----	30 00			
2.95	2.38	2.25	7.00	1 75	Corn, oats and rye, -----	As certified, -----	4854
4.15	-----	4.41	-----	1 75	Corn, oats and rye, -----	As certified, -----	4167
3.20	-----	3.32	-----	1.75	Pure corn, rye and oats chop.	As certified, -----	4546
3.55	-----	3.25	-----	1.50	Corn, oats and rye, -----	As certified, -----	4798
4.28	-----	4.34	-----	1 85	Corn, oats and rye, -----	As certified, -----	4215
3.60	-----	3.78	-----	1 85	Corn, oats and rye, -----	As certified, -----	4194
4.30	-----	3.55	-----	1 60	Corn, oats and rye, -----	As certified, -----	5007
3.48	-----	3.05	-----	1 70	-----	Corn, oats and rye,---	4338
2.83	-----	4.57	-----	1.45	Corn, oats and rye, -----	As certified, -----	4942
3.80	-----	4.28	-----	1 80	Corn, oats and rye, -----	As certified, -----	4213
3.61	-----	3.68	-----	34 00			

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
	Chop Feeds.			Per ct.	Per ct.	Per ct.
4628	Rye and Oats Chop, Altoona Feed Mills, Altoona, Pa.	Altoona, Altoona Feed Mills.	928	10.43	13.31	-----
4637	Chop, Altoona Grain and Feed Co., Altoona, Pa.	Altoona, Altoona Grain and Feed Co.	937	7.84	10.31	-----
4663	Crescent Corn and Oats Chop, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle,---	963	9.48	10.31	7.57
4599	Mixed Chop, Blackburn Milling Co., Cessna, Pa.	Bedford, William Smith,---	899	10.53	10.88	8.09
4843	Mixed Chop, Bloomsburg Roller Mills, Bloomsburg, Pa.	Bloomsburg Bloomsburg Roller Mills.	1143	9.53	11.31	10.06
4074	Ear Corn Chop, D. H. Boarts, Kittanning, Pa.	Kittanning, D. H. Boarts,---	374	13.36	8.06	-----
4075	Buckwheat Chop, D. H. Boarts, Kittanning, Pa.	Kittanning, D. H. Boarts,---	375	13.64	10.06	-----
4270	Chop Feed, Buffalo Cereal Co., Buffalo, N. Y.	Kennett Square, W. H. Walker & Co.	570	8.66	7.09	7-8
4655	Cow Chop, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ---	955	9.77	9.38	8-10
4319	Mixed Chop, Dayton Milling Co., Towanda, Pa.	Williamsport, Gohl & King,	619	10.12	8.25	6-10
4669	Bourbon Chop, E. E. Deh Grain Co., Bourbon, Ind.	Altoona R. F. Notley, ---	969	10.04	10.31	8-9
3864	Whole Grain Chop, Elkland Roller Mills, Elkland, Pa.	Elkland, Elkland Roller Mills.	164	10.47	9.18	-----
5035	Corn and Oats Feed, Emlenton Milling Co., Ltd., Emlenton, Pa.	Emlenton, Emlenton Milling Co., Ltd.	1335	10.82	10.94	9.09
4545	Mixed Chop, Frank J. Erdman, Allentown, Pa.	Allentown, Frank J. Erdman	845	11.12	11.25	8-12
4245	Corn, Oats & Middlings Chop, Foresman & Kelsey Milling Co., Flemington, Pa.	Flemington, Foresman & Kelsey Milling Co.	645	11.25	10.31	9-12
4697	Pennsylvania Special No. 1 Chop Feed, Globe Elevator Co., Buffalo, N. Y.	Phillipsburg, Feed Grain Co.	997	9.77	10.81	8-10
4716	Pennsylvania Special No. 1 Chop Feed, Globe Elevator Co., Buffalo, N. Y.	Wallaceton, E. K. Turner,---	1046	9.05	9.88	8-10
		Average. -----		9.41	10.35	-----
4548	Mixed Chop, Jacob S. Haines, Allentown, Pa.	Allentown, A. T. Stever Est.	848	10.53	11.63	7-12
4538	Mixed Chop, Anchor Roller Mills, Allentown, Pa.	Allentown, H. F. Gruver,---	838	9.67	12.81	8-10
4563	Choice Mixed Chop, Anchor Roller Mills, Allentown, Pa.	Allentown, John E. Schuon,	863	9.59	12.94	8-10
		Average, -----		9.63	12.88	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
2.65	-----	4.07	-----	\$2 02	Rye and oats, -----	As certified, -----	4628
6.23	-----	6.62	-----	1.54	Victor Feed from the Quaker Oats Co., hominy feed and low grade flour.	Corn, oats, oat hulls, wheat feed and salt.	4637
4.15	3.00	4.65	17.50	29 00	Corn, oats, wheat middlings, hominy feed and oat feed.	Corn, oats, wheat middlings, hominy feed, oat feed and trace of rye.	4663
4.30	3.00	4.10	12.00	1 60	Corn, oats, barley and wheat middlings.	As certified, -----	4599
3.95	3.99	3.35	7.00	32 00	Pure grain chop, -----	Corn, oats and wheat,	4843
3.75	-----	4.52	-----	1.25	Ear corn, -----	As certified, -----	4074
2.83	-----	8.47	-----	1.45	Buckwheat, -----	As certified, -----	4075
3.78	3-4	12.57	6.00	32 00	Corn, hominy feed, oat bran and oat hulls.	Corn, hominy feed, oat bran, oat hulls and salt.	4270
4.30	3.50-4.50	3.72	7-9	30 00	Shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4655
3.45	3-6	7.00	6-12	1.65	Corn and oat bran, ---	Corn, oat bran, and oat hulls.	4319
4.20	3-4	4.27	6-8	1.65	Corn, oats, oat hulls and barley.	As certified, -----	4669
4.00	-----	6.10	-----	29 00	Corn, oats and sometimes buckwheat, barley or rye added.	Corn and oats, -----	3864
4.45	4.00	4.87	4.00	27 00	Corn, oats and corn bran.	As certified, -----	5035
4.20	3-5	3.22	3-7	1.60	Corn, rye and rye middlings.	As certified, -----	4545
4.05	3-5	2.55	4-8	1.60	Corn, oats and middlings.	As certified, -----	4345
4.70	4-5	4.22	9.00	1 70	Hominy feed, wheat flour, ground shelled and ear corn, oats, oat hulls, and about 5 lbs. salt to the ton.	As certified, -----	4697
5.28	4-5	6.20	9.00	29 00	Hominy feed, wheat flour, ground shelled and ear corn, oats, oat hulls, and about 5 lbs. salt to the ton.	As certified, -----	4746
4.06	-----	5.21	-----	31 50			
3.63	2-6	5.00	3-7	1 65	Corn, ear corn, rye middlings and wheat screenings.	As certified, -----	4548
6.43	4-6	4.40	3-4	1 60	Corn, rye feed and hominy.	As certified, -----	4538
6.56	1-6	4.60	3-4	1 80	Corn, rye feed and hominy.	As certified, -----	4563
6.47	-----	4.50	-----	1 70			

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4910	Mixed Chop, Hazleton Mercantile Co., Hazleton, Pa.	Hazleton, Hazleton Mercantile Co.	1210	Per ct. 8.50	Per ct. 10.25	Per ct. 6-8
4911	Eye Mixed Chop, Hazleton Mercantile Co., Hazleton, Pa.	Hazleton, Hazleton Mercantile Co.	1211	8.86	11.56	5-10
4016	Uniontown Roller Mills Chop, Hogsett & Hankins, Uniontown, Pa.	Uniontown, Hogsett & Hankins.	316	11.54	8.25	8.00
4322	Monarch Chop Feed, Husted Milling Co., Buffalo, N. Y.	Williamsport, W. F. Coleman.	622	9.79	9.00	7.50-9
4307	Monarch Chop Feed, Husted Milling Co., Buffalo, N. Y.	Williamsport, F. W. Dawson & Son.	607	9.81	8.88	7.50-9
		Average, -----		9.89	8.94	-----
4007	Corn, Oats and Barley Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Mt. Pleasant, J. H. Brown & Son.	307	8.62	8.56	8.90
4638	Corn, Oats and Barley Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Altoona, Central Feed Co.,	938	6.47	9.38	8.90
3978	Corn, Oats and Barley Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Greensburg, McFarland Supply Co.	278	8.99	9.31	8.90
		Average, -----		8.02	9.08	-----
4006	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Mt. Pleasant, J. H. Brown & Son.	306	10.28	8.69	8.00
5003	Premium C. & O. Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	South Sharon, J. B. Ronx & Co.	1303	7.30	8.19	8.00
4066	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Vandergrift, T. J. Rowley,	366	9.15	8.13	8.00
		Average, -----		8.91	8.34	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.35	Per ct. 2-4	Per ct. 6.45	Per ct. 3-9	\$25 00	Hominy, corn and oat feed.	As certified, -----	4910
6.85	2-4	4.97	3-10	29 00	Rye feed, oat feed and hominy.	As certified, -----	4911
4.45	3.00	7.73	5.00	1 45	Corn, oats and oat hulls.	As certified, -----	4916
5.03	3.50- 4.50	6.25	7-9	1 50	Corn, oats, oat hulls and three-fourths of 1 per cent. salt.	As certified, -----	4322
3.90	3.50- 4.50	5.75	7-9	1 35	Corn, oats, oat hulls and three-fourths of 1 per cent. salt.	As certified, -----	4307
4.47	-----	6.00	-----	28 50			
3.95	3.70	8.72	9.00	32 00	Shelled and ear corn, oats, barley, wheat flour, oat middlings, oat bran, oat hulls, cottonseed meal and one-fourth of 1 per cent. salt.	As certified, -----	4007
4.05	3.70	10.52	9.00	1 65	Shelled and ear corn, oats, barley, wheat flour, oat middlings, oat bran, oat hulls, cottonseed meal and one-fourth of 1 per cent. salt.	As certified, -----	4638
3.95	3.70	8.92	9.00	29 00	Shelled and ear corn, oats, barley, wheat flour, oat middlings, oat bran, oat hulls, cottonseed meal and one-fourth of 1 per cent. salt.	As certified, -----	3978
3.98	-----	9.38	-----	31 33			
3.95	3.50	6.38	9.00	30 00	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and one-fourth of 1 per cent. salt.	As certified, -----	4006
3.50	3.50	9.45	13.00	1 50	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and one-fourth of 1 per cent. salt.	As certified, -----	5003
3.75	3.50	7.39	9.00	1 50	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and one-fourth of 1 per cent. salt.	As certified, -----	4006
3.73	-----	7.74	-----	30 00			

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4556	Mixed Chop, George A. Keck & Co., Allentown, Pa.	Allentown, Edwin S. Koch,	856	Per ct. 10.28	Per ct. 11.44	Per ct. 7-12
5197	Pure Eagle Barley Feed, J. B. A. Kern & Sons, Milwaukee, Wis.	Braddock, A. Hecht, -----	1497	9.02	14.06	13.75
4672	Cow Chop, Klepser Bros., Martinsburg, Pa.	Martinsburg, Klepser Bros.,	972	10.15	10.25	7.00
4648	Meal Chop, Klepser Bros., Martinsburg, Pa.	Altoona, Klepser Bros.,----	948	9.82	9.00	7.00
4647	Cow Chop, Klepser Bros., Martinsburg, Pa.	Altoona, Klepser Bros.,----	947	9.82	9.50	7.00
4557	Mixed Chop, M. M. Laudenslager, Emaus, Pa.	Allentown, Edwin S. Koch,	857	10.03	10.81	7-12
4554	Mixed Chop, M. M. Laudenslager, Emaus, Pa.	Allentown, Geo. B. Shelly Est.	834	9.20	11.19	7-12
4547	Mixed Chop, M. M. Laudenslager, Emaus, Pa.	Allentown, R. A. Wagner,	847	9.49	10.69	7-12
		Average, -----		9.57	10.90	-----
1775	Red Star Rye Chop, Mauser Mill Co., Laureys, Pa.	Mt. Carmel, Schneider Bros.	1075	11.60	12.69	-----
4619	Rye and Oats Chop, Martin & Co., Altoona, Pa.	Altoona, Martin & Co.,----	919	10.05	11.44	-----
3832	Barley Chop, John H. Miller's Sons, Tyrone, Pa.	Everett, J. & C. Howard,	132	8.84	14.81	-----
4923	No. 1 Chop, Miner-Hillard Milling Co., Scranton, Pa.	Scranton, Miner-Hillard Milling Co.	1223	8.79	10.81	-----
4917	Mixed Chop, Miner-Hillard Milling Co., Scranton, Pa.	Scranton, Miner-Hillard Milling Co.	1217	8.77	10.13	8-11
4947	Mixed Grain, A. Nowak & Son, Buffalo, N. Y.	Nanticoke, Frank Stooks,	1247	10.40	10.50	-----
4317	Rye and Oats Chop, The Ring Milling Co., Muncy, Pa.	Williamsport, Gohl & King,	617	8.84	14.32	9-10
4898	A. Chop, Robbins Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Kirkendall Son Co.	1198	7.87	10.88	9-12
4890	A. Chop, Robbins Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	1190	7.85	10.75	9-12
		Average, -----		7.86	10.82	-----
4889	B. Chop, Robbins Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	1189	8.00	10.19	9-11
4537	Mixed Chop, Romig Bros., Wescosville, Pa.	Allentown, H. F. Gruver,	837	10.87	11.13	6-10
4560	Mixed Chop, Romig Bros., Wescosville, Pa.	Allentown, Edwin S. Koch,	860	11.11	11.31	6-10
		Average, -----		10.99	11.22	-----
4551	Mixed Chop, H. N. Schleifer, Allentown, Pa.	Allentown, H. N. Schleifer,	851	8.93	11.00	7-9
4903	No. 2 Chop, O. P. Shoupe, Mt. Pleasant, Pa.	Mt. Pleasant, O. P. Shoupe,	303	12.23	10.19	10.50

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.30	Per ct. 2-6	Per ct. 4.20	Per ct. 3-7	\$1 65	Corn, rye middlings, hominy feed, wheat screenings, and S. S. feed.	Corn, rye, middlings, hominy feed, wheat, oat products and a small amount of cottonseed meal.	4556
4.20	4.00	9.00	9.64	1.60	Pure barley feed, -----	As certified, -----	5197
5.45	3.00	4.47	7-9	1 60	Corn and barley feed,-----	As certified, -----	4672
5.10	3.00	2.67	7-8	31 0	Corn and hominy, -----	As certified, -----	4648
4.40	3.00	2.65	7-9	31 00	Corn, barley feed and hominy meal.	As certified, -----	4647
5.80	2-6	3.70	3-7	1.65	Corn, ear corn, rye middlings, hominy feed and oat feed.	As certified, -----	4557
6.30	2-6	4.35	3-7	32 00	Corn, ear corn, rye middlings, hominy feed and oat feed.	As certified, -----	4534
5.45	2-6	4.75	3-7	1 60	Corn, ear corn, rye middlings, hominy feed and oat feed.	As certified, -----	4547
5.85	-----	4.26	-----	32 33	-----	-----	-----
2.60	-----	1.67	-----	1.9	Rye chop, -----	As certified, -----	4775
2.70	-----	3.80	-----	1.90	Rye and oats, -----	As certified, -----	4619
4.20	-----	10.55	-----	-----	-----	Barley and trace of oats.	3832
6.95	-----	5.90	-----	29 00	Hominy feed and oats,-----	As certified, -----	4923
8.03	4-6	7.22	5-6	27 00	Corn, wheat middlings and oat bran.	As certified, -----	4917
3.80	-----	2.67	-----	2 17	-----	Corn, oats, wheat, barley and grit.	4947
3.38	1-3	4.50	1-4	1 85	Rye and oats, -----	As certified, -----	4317
7.10	5-7	7.35	4-6	1 50	Corn, hominy, oats, barley, "oat feed" and rye middlings.	As certified, -----	4898
6.80	5-7	7.95	4-6	39 0	Corn, hominy, oats, barley, "oat feed" and rye middlings.	As certified, -----	4890
6.95	-----	7.65	-----	30 00	-----	-----	-----
7.63	6-8	6.77	4-6	28 00	Corn, hominy and oat feed.	As certified, -----	4889
4.33	3-6	2.55	2-3	1 60	Corn, rye middlings and red middlings.	As certified, -----	4537
4.33	3-6	3.17	2-3	1 65	Corn, rye middlings and red middlings.	As certified, -----	4560
4.33	-----	2.86	-----	32 70	-----	-----	-----
6.90	4-6	4.97	4-8	1 50	Corn, rye feed, screenings and hominy.	As certified, -----	4551
3.68	3.50	10.72	12.50	28 00	Corn, brewers' dried grains and cob meal.	As certified, -----	4003

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4026	C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Uniontown, Harry Hagan,	326	Per ct. 9.53	Per ct. 8.25	Per ct. 7-9
5028	C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Tionesta, G. W. Robinson & Son.	1328	8.87	8.50	7-9
4744	C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Clearfield, Ross & Woods,	1044	9.31	8.50	7-9
		Average, -----		9.23	8.42	-----
4735	C. O. B. K. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Du Bois, S. A. Eisenman,	1035	8.55	8.44	7-9
3956	C. O. B. K. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Ridgway, Smith Bros. Co.,	256	11.77	7.94	7-9
3702	C. O. B. K. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Blairsville, Smith & McKelvey.	2	11.20	8.44	7-9
4296	C. O. B. K. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Punxsutawney, G. A. Weiss & Bro.	596	8.43	8.56	7-9
		Average, -----		9.98	8.35	-----
4350	Keystone Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Renovo, M. Dwyer, -----	650	9.33	8.31	7-9
3738	Keystone Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Barnesboro, Kerr & Williams.	38	9.95	8.44	7-9
4964	Keystone Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Butler, B. F. Shannon & Co.	1264	8.34	8.38	7-9
4295	Keystone Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Punxsutawney, G. A. Weiss & Bro.	595	8.84	8.38	7-9
		Average, -----		9.11	8.38	-----
4351	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Renovo, M. Dwyer, -----	651	8.46	7.75	7-9
4968	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	New Castle, Fisher & Mengle.	1268	9.07	8.13	7-9

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.18	3.50-4.50	5.42	6-8	\$1 60	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4026
4.73	3.50-4.50	7.15	6-8	1 50	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5028
5.38	3.50-4.50	6.55	6-8	1 66	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4744
4.76	-----	6.37	-----	31 67			
5.60	3.50-4.50	8.15	6-8	1 56	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4735
4.00	3.50-4.50	6.08	6-8	1 75	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	3956
5.20	3.50-4.50	4.70	6-8	33 00	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	3702
4.88	3.50-4.50	7.00	6-8	1 50	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4206
4.92	-----	6.48	-----	32 30			
4.60	3.50-4.50	5.25	6-8	1 65	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4350
4.50	3.50-4.50	6.10	6-8	2 09	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	3738
5.38	3.50-4.50	6.90	6-8	30 00	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4964
4.88	3.50-4.50	7.60	6-8	1 56	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4295
4.84	-----	6.46	-----	34 00			
4.33	3.50-4.50	11.12	7-9	1 50	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4351
4.18	3.50-4.50	5.95	7-9	1 35	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4968

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5174	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Carnegie, C. A. Foster,---	1474	Per et. 10.70	Per et. 8.31	Per et. 7-9
4025	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Uniontown, Harry Hagan,--	325	9.44	8.88	7-9
4091	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	New Kensington, J. A. Hawk.	391	9.97	7.75	7-9
5151	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Waynesburg, Bert Hughes,	1451	9.82	7.88	7-9
5143	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Washington, G. W. McBrier.	1443	9.22	8.19	7-9
4300	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Reynoldsville, Robinson & Mundorf.	600	9.33	8.19	8-10
5185	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Wilmerding, Routh & Co.,--	1485	9.32	7.88	7-9
3703	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Blairsville, Smith & McKelvey.	3	12.12	8.50	8-10
4715	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Munson Station, Jacob Smutzinger.	1015	8.04	8.38	7-9
		Average, -----		9.59	8.17	-----
4748	Mixed Chop, E. K. Turner, Wallacetown, Pa.	Wallacetown, E. K. Turner,--	1048	9.10	14.06	6-8
4691	Corn, Oats, Rye and Hominy Feed, Tyrone Milling Co., Tyrone, Pa.	Tyrone, Tyrone Milling Co.	991	9.50	10.56	8.50
4729	Corn, Oats and Barley Chop, Vietor Mills, Springville, N. Y.	Du Bois, A. T. Sprankle,--	1029	9.95	9.25	7-10
4356	Standard Chop, C. Y. Wagner, Bellefonte, Pa.	Bellefonte, C. Y. Wagner,--	656	11.68	12.06	10-12
4490	Mixed Chop, Geo. W. Wertz, Wernersville, Pa.	Reading, George W. Wertz,	790	9.36	11.00	11.00
4899	Chop, Wilkes-Barre Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Wilkes-Barre Milling Co.	1199	8.10	8.69	7-10
4814	Pure Grain Chop, J. F. Youngman, Selinsgrove, Pa.	Selinsgrove, J. F. Youngman.	1114	10.70	11.31	-----
4514	Chop, A. Yocom's Sons & Co., Reading, Pa.	Reading, A. Yocom's Sons & Co.	814	10.38	11.25	11.88
PROPRIETARY POULTRY FOODS.						
4665	Eclipse Poultry Food, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle,----	965	9.73	11.13	3.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.35	3.50-4.50	6.04	7-9	\$23 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5174
5.70	3.50-4.50	6.91	7-9	1 50	Yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4025
4.40	3.50-4.50	7.46	7-9	1 40	Yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4 91
3.90	3.50-4.50	6.50	7-9	1 65	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5151
3.75	3.50-4.50	6.80	7-9	26 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5143
4.48	3.50-4.50	7.07	7-9	1 50	Yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	43 0
3.60	3.50-4.50	6.87	7-9	1 50	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5185
4.38	3.50-4.50	4.70	7-9	30 01	Yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	3703
4.55	3.50-4.50	9.80	7-9	27 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	4715
4.33	-----	7.20	-----	28 55			
5.25	1-2	5.80	2-10	30 00	Corn, oats, middlings, loggrade and Pa. special.	Corn, oats, wheat feed and salt.	4748
4.78	3.50	3.35	3.00	30 00	Corn, oats, rye and hominy feed.	As certified, -----	4691
5.40	4-6	7.45	7-10	1 45	Corn, barley, hominy, oat hulls, and 6 ounces salt in 100 lbs.	As certified, -----	4729
3.93	3-4	4.20	5-7	31 00	Corn, barley, oats and middlings.	As certified, -----	4356
3.15	3.00	4.00	4.50	1 80	Corn, oats, rye and middlings.	As certified, -----	4490
4.78	3-6	8.90	3-6	1 40	Corn, wheat middlings and "oat feed."	As certified, -----	4890
3.05	-----	3.80	-----	30 00	Made of whole grains from toll, corn, oats, rye, wheat and possibly some buckwheat.	As certified, -----	4814
4.21	4.75	3.57	4.52	30 00	Corn, oats, rye and middlings.	As certified, -----	4514
3.10	2.00	2.87	9.00	1 80	Wheat, cracked corn, Kaffir corn, buckwheat, oats, barley, grit and shell.	As certified, -----	4665

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4666	Eclipse Poultry Food, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle,----	966	Per ct. 11.71	Per ct. 10.25	Per ct. 3.00
		Average, -----		10.72	10.64	-----
4760	Blended Hen Food, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	1060	11.25	10.63	8-10
4861	Blended Hen Food, Blank & Gottshall, Sunbury, Pa.	Marysville, H. E. Keel & Co.	1161	10.45	10.56	8-10
4572	Blended Hen Food, Blank & Gottshall, Sunbury, Pa.	Huntingdon, Stouffer & Brenneman.	872	11.91	11.06	8-10.5
4550	Blended Hen Food, Blank & Gottshall, Sunbury, Pa.	Allentown, A. F. Stover Est.	850	11.21	10.91	8-10.5
		Average, -----		11.20	10.80	-----
4761	Chick Food Invigorator, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	1061	10.33	10.00	8-10.5
4759	Mash Food, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	1059	7.20	12.44	11.88
4762	Pigeon Food, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	1062	10.60	12.44	10-12.75
4103	Blatchford's Poultry Meats, Blatchford's Animal Food Works, Waukegan, Ill.	Monroea, Allen Davidson,--	403	7.79	34.13	33.53
3924	Bourbon Scratch Feed, Bourbon Mills, Bourbon, Ind.	Johnsonburg, Cash Wholesale Co.	224	9.72	8.60	-----
3983	Chickseat, Champion Mfg. Co., Philadelphia, Pa.	Greensburg, W. N. Davis,--	283	9.67	12.69	12.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.15	Per ct. 2.00	Per ct. 2.07	Per ct. 9.00	\$ 00			
3.13	-----	2.47	-----	1 90	Cracked wheat, cracked corn, cracked Kaffir corn and shells.	Corn, wheat, kaffir corn, oyster shells and small amount of weed seeds.	4666
3.13	2.25-3	3.15	2.25-3	1 90	Cracked corn, wheat, Kaffir corn, buckwheat, barley, spelts, screenings, cockle, flax seed, hen-e-ta grits and charcoal.	As certified, -----	4760
3.60	2.25-3	3.50	2.25-3	2 25	Cracked corn, wheat, Kaffir corn, buckwheat, barley, shells, screenings, cockle, flax seed, hen-e-ta bone grits and charcoal.	As certified, -----	4861
3.45	2.25-3	3.45	2.25-3	2 25	Cracked corn, wheat, Kaffir corn, buckwheat, barley, spelts, screenings, cockle, flaxseed, hen-e-ta grits, and charcoal.	As certified, -----	4572
3.60	2.25-3	2.65	2.25-3	2 25	Cracked corn, wheat, Kaffir corn, buckwheat, barley, spelts, screenings, cockle, flaxseed, hen-e-ta grits, and charcoal.	As certified, -----	4550
3.45	-----	3.18	-----	2 16			
2.85	2.25-3	2.45	2.50-3.25	2 00	Cracked corn, cracked wheat, millet, hen-e-ta grit, cracked peas, Kaffir corn, milo maize, charcoal, flax seed and cockle.	As certified, -----	4761
3.45	2.62	4.32	3.81	2 00	Corn meal, gluten meal, wheat middlings, wheat bran, pea meal and hen-e-ta bone grit.	As certified, -----	4759
4.68	3-4.25	4.00	3.50-5.25	2 35	Cracked corn, wheat, buckwheat, Kaffir corn, peas and hempseed.	As certified, -----	4762
9.88	10.02	4.77	-----	8 33	Pure beef meal, oyster shell, iron, sunflower seeds, albuminous compounds, ginger, red pepper and oil.	Beef meal, oyster shell, iron, sunflower seed, albuminous compounds, flaxseed, ginger, red pepper and cottonseed meal.	4103
2.93	-----	2.11	-----	40 00	-----	Corn, oats, barley, Kaffir corn, wheat, buckwheat, grit and oyster shell.	3924
3.90	2.00	1.26	2.00	8 33	Dried bone meal, dried beef and bone, baked and kiln dried rolled wheat, calcite, cracked wheat, hominy, sulphur, foenugreek and ginger.	As certified, -----	3983

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4855	Chickseat, Champion Mfg. Co., Philadelphia, Pa.	Catawissa, W. A. McCloughan.	1155	Per ct. 9.09	Per ct. 13.44	Per ct. 12.00
		Average, -----		9.38	13.07	-----
5103	C. M. Co. Scratch Feed, Chester Milling Co., Chester, Pa.	Chester, Chester Milling Co.	1403	10.72	9.00	10.25
4659	Superior Hen Food, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ----	959	9.97	10.00	8.00
4660	Superior Chick Food, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ----	960	8.78	8.56	8.00
4165	Chick Feed, Columbia Milling Co., Columbia, Pa.	Columbia, Columbia Milling Co.	465	11.67	11.06	9.00
4166	Hen Feed, Columbia Milling Co., Columbia, Pa.	Columbia, Columbia Milling Co.	466	11.68	11.75	9.00
4892	Poultry Grains, Dayton Milling Co., Towanda, Pa.	Wilkes-Barre, Kirkendall Son Co.	1192	9.05	10.94	8-12
5186	Globe Scratch Feed, The Albert Dickinson Co., Chicago, Ill.	Wilmerding, Routh & Co.,	1486	10.25	11.63	10.00
4460	Globe Scratch Feed, The Albert Dickinson Co., Chicago, Ill.	Lebanon, A. M. Weltmer's Sons.	760	10.03	12.38	10.00
5166	White Cross Scratch Feed, The Albert Dickinson Co., Chicago, Ill.	Canonsburg, Dunlap Bros.,	1466	11.00	11.94	10.00
		Average, -----		10.42	11.98	-----
4866	Scratch Feed, Duncannon Flouring Mill Co., Duncannon, Pa.	Duncannon, Duncannon Flouring Mill Co.	1166	11.77	10.06	-----
4049	Eaton's Climax Grain Mixture, R. D. Eaton Grain and Feed Co., Norwich, N. Y.	Monessen, J. H. Farquhar,	349	12.16	11.50	11-12
4862	Eaton's Climax Grain Mixture, R. D. Eaton Grain and Feed Co., Norwich, N. Y.	Marysville, P. M. Skivington.	1162	10.36	11.88	11-12
		Average, -----		11.26	11.69	-----
4051	Eaton's Perfection Mash Mixture, R. D. Eaton Grain and Feed Co., Norwich, N. Y.	Pittsburg, The I. W. Scott Co.	351	7.71	20.38	20.00

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.34	Per ct. 2.00	Per ct. 1.90	Per ct. 2.00	\$8 33	Dried bone meal, dried beef and bone, baked and kiln dried rolled wheat, calcite, cracked wheat, hominy, sulphur, foenugreek and ginger.	As certified, -----	4855
4.12	-----	1.58	-----	8 33			
3.23	4.90	3.82	5.85	2 00	Cracked corn, sunflower, Kaffir corn, buckwheat, barley, oats, wheat, grit and charcoal.	Cracked corn, sunflower seed, Kaffir corn, buckwheat, oats, wheat, grit and charcoal.	5103
3.65	2.00	2.47	15.00	1 90	Cracked corn, buckwheat, Kaffir corn, rye, oats, wheat, sunflower seed, grit and oyster shell.	As certified, -----	4659
3.25	2.00	1.97	15.00	1 90	Cracked corn, Kaffir corn, millet, cracked wheat, grit and oyster shell.	As certified, -----	4660
3.90	3.00	2.92	5.00	2 25	Cracked corn, wheat, screenings, oats, millet, Kaffir corn and rice.	As certified, -----	4165
3.60	3.00	3.90	5.00	2 25	Corn, wheat, oats, barley, buckwheat, and Kaffir corn.	As certified, -----	4166
4.53	3-4	4.80	-----	2 00	-----	Corn, oats, wheat, barley, Kaffir corn, buckwheat, flaxseed and sunflower seed.	4892
3.30	2.50	3.08	5.00	2 10	Corn, wheat, barley, oats, Kaffir corn, buckwheat, oil cake and sunflower.	As certified, -----	5186
3.38	2.50	3.42	5.00	2 00	Corn, wheat, barley, oats, Kaffir corn, buckwheat, sunflower, oil cake and no grit.	As certified, -----	4460
3.30	2.50	2.44	5.00	2 00	Corn, wheat, barley, oats, Kaffir corn, sunflower and no grit.	As certified, -----	5166
3.33	-----	2.98	-----	2 03			
4.53	-----	3.97	-----	1 90	Wheat, corn, Kaffir corn, millet, buckwheat and sunflower seeds.	As certified, -----	4860
3.40	2-3	2.92	-----	2 35	Pure grains only, -----	Corn, oats, barley, wheat, buckwheat, Kaffir corn, peas and sunflower seeds.	4049
3.78	2-3	3.02	-----	2 50	Pure grains only, -----	Corn, oats, barley, wheat, buckwheat, milo maize, Kaffir corn, peas and sunflower seed.	4862
3.59	-----	2.97	-----	2 43			
5.08	4.00	10.08	-----	2 25	-----	Corn, oats, wheat, buckwheat, alfalfa, pea meal, linseed oil meal, wheat bran, meat, bone and charcoal.	4051

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4138	Excelsior Pigeon Feed, Jonas F. Eby & Son, Lancaster, Pa.	Lititz, Elmer Eby, -----	438	Per ct. 12.16	Per ct. 12.12	Per ct. 8-9
4170	Laymor Hen Feed, Jonas F. Eby & Son, Lancaster, Pa.	Elizabethtown, E. H. Lehman.	470	11.28	12.25	8-9
4171	Laymor Hen Feed, Jonas F. Eby & Son, Lancaster, Pa.	Elizabethtown, E. H. Lehman.	471	11.94	11.19	8-9
		Average, -----		11.61	11.72	-----
5180	Red Comb Meat Mash, Edwards & Loomis Co., Chicago, Ill.	Carnegie, J. H. Burgan & Son.	1480	9.95	14.44	15.00
5181	Red Comb Poultry Feed, Edward & Loomis Co., Chicago, Ill.	Carnegie, J. H. Burgan & Son.	1481	10.69	11.00	10.00
4606	Red Comb Poultry Feed, Edwards & Loomis Co., Chicago, Ill.	Wilkinsburg, Johnston & Smith.	906	10.21	11.00	10.00
5155	Red Comb Poultry Feed, Edwards & Loomis Co., Chicago, Ill.	Washington, Russell Bros.,	1455	10.67	10.56	10.00
5156	Red Comb Poultry Feed, Edwards & Loomis Co., Chicago, Ill.	Washington, Russell Bros.,	1456	12.12	10.75	10.00
4451	Red Comb Poultry Feed, Edwards & Loomis Co., Chicago, Ill.	Harrisburg, J. H. Sheesley,	751	12.08	11.75	10.00
		Average, -----		11.15	11.01	-----
4452	Red Comb Pigeon Feed, Edwards & Loomis Co., Chicago, Ill.	Harrisburg, J. H. Sheesley,	752	10.91	11.25	12.50

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.68	Per ct. 2-6	Per ct. 2.97	Per ct. 4-5	\$2 30	Cracked corn, buckwheat, wheat, Kaffir corn, barley, flaxseed, millet, peas, hulled oats and 2 per cent. grit.	As certified, -----	4138
3.50	2-3	2.90	7-8	1 90	Kaffir corn, sunflower seed, buckwheat, flaxseed, wheat, poultry bone, wheat screenings, millet, barley, and cracked corn.	As certified, -----	4170
3.40	2-3	2.63	3-4	1 85	Sunflower seed, poultry bone, buckwheat, cracked corn, barley, Kaffir corn, wheat, flaxseed, wheat screenings, millet, 5 per cent. grit and shell.	As certified, -----	4171
3.45	-----	2.79	-----	1 88			
5.00	4.00	5.21	8.00	2 25	Oat meal, oil meal, cornmeal, beef scraps, wheat bran, wheat middlings, alfalfa meal, not over 5 per cent. shell and 1 per cent. charcoal.	As certified, -----	5180
3.45	2.50	3.17	5.00	2 15	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat, not over 3 per cent. grit, 3 per cent. shell, and 1 per cent. charcoal.	As certified, -----	5181
3.55	2.50	3.30	5.00	2 15	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat, not over 3 per cent. grit, 3 per cent. shell, and 1 per cent. charcoal.	As certified, -----	4606
3.35	2.50	2.87	5.00	2 05	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat, not over 3 per cent. grit, 3 per cent. shell, and 1 per cent. charcoal.	As certified, -----	5155
3.13	2.50	2.57	5.00	2 10	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat and not over 1 per cent. charcoal.	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat, grit and charcoal.	5156
3.73	2.50	3.92	5.00	2 25	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat, and not over 1 per cent. charcoal.	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat, charcoal, and small amount of weed seeds.	4451
3.44	-----	3.16	-----	2 14			
3.04	4.00	3.02	4.00	2 25	Corn, wheat, Kaffir corn, millet, hemp, peas, buckwheat, charcoal and grit.	As certified, -----	4452

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
3783	"Neverfail" Egg Producer-Blended Chicken Feed, Empire Grain and Elevator Co., Binghampton, N. Y.	Susquehanna, A. L. Langford	85	Per ct. 12.01	Per ct. 10.94	Per ct. 8.75
4121	Chick Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	421	13.08	8.94	8-9
4122	Hen Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	422	12.35	10.88	7-8
4120	Pigeon Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	420	10.59	10.63	8-9
3848	Globe Poultry Food, Globe Elevator Co., Buffalo, N. Y.	Wellsboro, Max Bernkopf & Bro.	148	9.70	17.19	15-16
4236	Sterling Chick Feed, The Great Western Cereal Co., Chicago, Ill.	Coatesville, J. T. Gay & Son.	536	13.14	10.21	10.00
5105	Steling Scratch Feed, The Great Western Cereal Co., Chicago, Ill.	Chester, T. F. McCall, ----	1405	11.35	11.00	10.00
4516	Sterling Scratch Feed, The Great Western Cereal Co., Chicago, Ill.	Reading, Strunk & Moyer,--	816	11.41	10.63	10.00
4709	Sterling Scratch Feed, The Great Western Cereal Co., Chicago, Ill.	Philipsburg, Wolf's Mill,---	1009	11.82	11.00	10.00
		Average, -----		11.52	10.88	-----
4309	Competition Scratch Feed, Husted Milling Co., Buffalo, N. Y.	Williamsport, F. W. Dawson & Son.	609	10.95	10.48	-----
4197	Husted Poultry Feed, Husted Milling Co., Buffalo, N. Y.	York, F. Z. Stauffer, -----	497	9.33	15.13	12-14
4652	Poultry Feed, Klepser Bros., Martinsburg, Pa.	Altoona, Klepser Bros., ---	952	11.24	10.50	7.00
4957	A. No. 1 Poultry Grains, H. J. Klingler & Co., Butler, Pa.	Butler, H. J. Klingler & Co.	1257	10.50	10.38	-----
4543	Ideal Chick and Hen Feed, H. B. Kratz & Co., Schwenksville, Pa.	Allentown, Frank J. Erdman.	843	10.92	10.06	8-10

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.55	Per ct. 3.75	Per ct. 3.28	Per ct. 4.25	\$1 90	Wheat, corn, barley, oats, Kaffir corn, buckwheat and milo maize.	As certified, -----	3783
3.10	2-3	2.22	2-3	36 00	Hulled oats, millet, cracked corn, wheat, Kaffir corn, wheat screenings, flaxseed, rice, 5 per cent. grit and shells.	Hulled oats, millet, cracked corn, wheat, Kaffir corn, wheat screenings, flaxseed, rice, grit, oyster shell and small amount of weed seeds.	4121
3.80	2-3	2.81	7-8	36 00	Cracked corn, buckwheat, wheat screenings, Kaffir corn, wheat, barley, sunflower, bone, flaxseed, millet and no grit or shell.	As certified, -----	4122
3.10	2-3	2.58	5-6	40 00	Flaxseed, German millet, peas, grit, bone, hulled oats, buckwheat, cracked corn, wheat, Kaffir corn and barley.	As certified, -----	4120
5.05	4-6	7.34	8-9	1 65	Red dog flour, bran, corn meal, middlings, oil meal, charcoal, beef scraps and peanut meal.	As certified, -----	3848
3.05	3.00	1.90	4.00	2 35	Cracked corn, oat groats, millet, unground seeds and grains.	Cracked corn, oat groats, millet, Kaffir corn and wheat.	4236
3.50	3.00	2.62	4.00	2 00	Cracked corn, wheat, barley, Kaffir corn, oats and sunflower seeds.	Cracked corn, wheat, oats, barley, Kaffir corn, millet, buckwheat, sunflower seeds, and trace of weed seeds.	5105
4.10	3.00	2.82	4.00	2 00	Cracked corn, wheat, barley, Kaffir corn, oats and sunflower seeds.	Cracked corn, wheat, barley, Kaffir corn, oats, sunflower seed, buckwheat and a small amount of weed seeds.	4516
3.43	3.00	3.15	4.00	2 25	Cracked corn, wheat, barley, Kaffir corn, oats and sunflower seeds.	Cracked corn, wheat, barley, Kaffir corn, oats, sunflower seeds and weed seeds.	4709
3.68	-----	2.86	-----	2 08			
3.50	-----	3.05	-----	2 00		Corn, oats, barley, wheat, buckwheat and Kaffir corn.	4309
5.45	4-5	7.65	6-9	2 25	Bran, middlings, corn, gluten and alfalfa.	As certified, -----	4197
3.53	3.00	2.97	7-9	1 90	Corn, barley, wheat and oats.	As certified, -----	4652
4.03	-----	4.97	-----	1 95	Made from pure grains, cracked corn, seeds and charcoal; (no grit or screenings).	Corn, oats, barley, wheat, buckwheat, Kaffir corn and charcoal.	4957
3.23	3-4	2.60	2-3	2 50		Corn, oats, wheat, millet, Kaffir corn, and charcoal.	4543

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4544	Ideal Chick and Hen Feed, H. B. Kratz & Co., Schwenksville, Pa.	Allentown, Frank J. Erdman.	844	Per ct. 12.12	Per ct. 10.25	-----
		Average, -----		11.52	10.16	-----
4626	Martin's Mixed Poultry Feed, Martin & Co., Altoona, Pa.	Altoona, Martin & Co.,---	926	10.61	11.56	12.75
4625	Martin's Peep Feed, Martin & Co., Altoona, Pa.	Altoona, Martin & Co.,---	925	10.32	12.00	12.00
4623	Martin's Peep Mash, Martin & Co., Altoona, Pa.	Altoona, Martin & Co., ---	923	9.14	20.00	10.00
4622	Martin's Poultry Mash, Martin & Co., Altoona, Pa.	Altoona, Martin & Co., ---	922	8.88	25.81	12-14
3805	Best Mixed Grains for Chickens, C. P. Matthews & Sons, Inc., Monroeton, Pa.	Monroeton, C. P. Matthews & Sons, Inc.	105	12.67	9.38	8-9
4868	Best Mixed Grains for Chickens, C. P. Matthews & Sons, Inc., Monroeton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	1168	10.72	10.50	8-9
4932	Best Mixed Grains for Chickens, C. P. Matthews & Sons, Inc., Monroeton, Pa.	Seranton, C. P. Matthews & Sons, Inc.	1232	9.51	11.31	8-9
		Average, -----		10.96	10.40	-----
4936	Best Mixed Grain for Little Chickens, C. P. Matthews & Sons, Inc.	Seranton, C. P. Matthews & Sons, Inc.	1236	11.83	10.25	8-9
4869	Premium Pure Mixed Grains for Fancy Poultry, C. P. Matthews & Sons, Inc., Seranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	1169	10.95	11.00	-----
4933	Premium Pure Mixed Grains for Fancy Poultry, C. P. Matthews & Sons, Inc., Seranton, Pa.	Seranton, C. P. Matthews & Sons, Inc.	1233	10.36	12.13	-----
		Average, -----		10.65	11.57	-----
4924	Little Chick Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Seranton, Miner - Hillard Milling Co.	1224	10.55	9.81	-----
4880	Mixed Chicken Feed, Miner-Hillard Milling Co., Miner's Mills, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	1180	9.01	9.88	-----

FEEDING STUFFS COLLECTED IN 1910.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.13	Per ct.	Per ct. 3.05	Per ct.	\$2 50	-----	Corn, oats, barley, wheat, buckwheat and Kaffir corn.	4544
3.68	-----	2.82	-----	2 50			
2.99	2.90	3.35	3.69	2 50	Wheat, buckwheat, barley, oats, Kaffir corn, cracked corn, Canada peas and sunflower seeds.	As certified, -----	4626
2.78	3.00	1.62	4.00	3 75	Cracked corn, cracked wheat, cracked rice, cracked Canada peas, cut oats and German millet.	As certified, -----	4625
4.50	3.00	6.97	7.00	2 50	Wheat bran, wheat Middlings, corn meal, alfalfa meal, pea meal, buckwheat flour, meat meal, oil meal and Kaffir corn meal.	As certified, -----	4623
5.18	4-6	6.10	7-9	2 50	Wheat bran, wheat middlings, corn chop, gluten feed, ground oats, meat meal and oil meal.	As certified, -----	4622
3.48	2-3	3.04	4-5	1 70	Kaffir corn, buckwheat grains, wheat screenings, wheat, cracked corn, oyster shells, field peas, and sunflower seeds.	Corn, Kaffir corn, buckwheat, wheat, barley, peas, sunflower seed, oyster shells and wheat screenings, including corn cockle.	3805
3.60	2-3	3.35	4-5	1 75	Kaffir corn, buckwheat grains, wheat screenings, wheat, cracked corn, oyster shells, field peas, and sunflower seeds.	Kaffir corn, oats, barley, wheat, wheat screenings, cracked corn, oyster shells, peas, and sunflower seed.	4868
3.20	2-3	2.95	4-5	1 65	Kaffir corn, buckwheat grains, wheat, cracked corn, oyster shells, field peas and sunflower seeds.	Kaffir corn, buckwheat, wheat, oats, barley, cracked corn, oyster shells, peas and sunflower seed.	4932
3.43	-----	3.11	-----	1 70			
2.50	2-3	6.77	4-5	1 85	Wheat screenings and cracked corn.	As certified, -----	4936
3.83	-----	3.82	-----	2 00	-----	Corn, oats, barley, wheat, Kaffir corn, peas and sunflower seeds.	4869
3.	-----	3.67	-----	2 00	Pure mixed grains, -----	Corn, oats, barley, wheat, buckwheat, Kaffir corn, peas, and sunflower seeds.	4933
3.	-----	3.74	-----	2 00			
3.	-----	3.52	-----	1 90	-----	Corn, oats, barley, wheat, Kaffir corn, and millet.	4924
3	-----	4.52	-----	2 00	-----	Corn, oats, barley, wheat, buckwheat, Kaffir corn, sunflower seed, grit and oyster shells.	4890

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
4920	Mixed Chicken Feed, Miner-Hillard Milling Co., Miner's Mills, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	1220	Per ct. 9.53	Per ct. 10.19	Per ct. 8-9
		Average, -----		9.27	10.04	-----
4881	No. 1 Scratch Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	1181	10.89	10.75	-----
4921	No. 1 Scratch Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner - Hillard Milling Co.	1221	9.87	10.88	-----
4515	No. 1 Scratch Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Reading, Strunk & Moyer,	815	11.90	10.94	-----
		Average, -----		10.88	10.86	-----
4882	Purity Poultry Mash, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	1182	9.00	13.75	15-17
4050	Alfalfa Poultry Mash, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kan.	Pittsburg, The I. W. Scott Co.	350	7.34	14.44	17.90
5176	Dry-Mash, The Park & Pollard Co., Boston, Mass.	Carnegie, C. A. Foster, ---	1476	10.07	21.44	20.00
4196	Dry Mash Growing Feed, The Park & Pollard Co., Boston, Mass.	York, F. Z. Stauffer, ---	496	9.20	24.69	14.00
4308	Sylva Scratch Feed, Penna. Prima Feed Co., Inc., Harrisburg, Pa.	Williamsport, F. W. Dawson & Son.	608	9.66	10.88	9-10
4331	Purina Mill Feed Chick Feed, Purina Mills, St. Louis, Mo.	Montoursville, J. M. Hayes & Co.	631	11.26	11.06	11.00
3982	Purina Mill Feed, Scratch Size, Purina Mills, St. Louis, Mo.	Greensburg, W. N. Davis,--	282	11.67	11.00	11.00
4330	Purina Mill Feed, Scratch Size, Purina Mills, St. Louis, Mo.	Montoursville, J. M. Hayes & Co.	630	12.17	10.88	11.00

FEEDING STUFFS COLLECTED IN 1910—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4-33	Per ct. 2-3	Per ct. 3-67	Per ct. 4-5	\$1 65	Kaffir corn, buckwheat grains, wheat, cracked corn, oyster shells, peas, sunflower seed and oats.	As certified, -----	4920
3.90	-----	4.09	-----	1 83			
3.55	-----	4.05	-----	2 25		Corn, oats, barley, wheat, Kaffir corn, buckwheat, peas and sunflower seeds.	4881
3.75	-----	3.65	-----	1 90		Corn, oats, barley, wheat, buckwheat, Kaffir corn, hemp seed and sunflower seeds.	4921
3.18	-----	3.15	-----	2 15		Corn, oats, barley, wheat, buckwheat, Kaffir corn, peas, sunflower seed and grit.	4515
3.49	-----	3.61	-----	2 10			
5.88	5-7	3.35	8-10	2 25	Green peas, alfalfa meal, wheat middlings, wheat bran, ground oats, hominy feed and buckwheat middlings.	Alfalfa meal, wheat bran, wheat middlings, ground oats, hominy feed, buckwheat middlings and millet.	4882
3.90	3.34	8.31	-----	2 10	Alfalfa, blood, bone, meat, oil meal, bran, shorts, corn chop, charcoal, grit and oyster shell.	Alfalfa, blood, bone, meat and oil meal, bran, shorts, corn chop, Kaffir corn, coal, grit and oyster shell.	4050
3.00	3.00	6.18	10.00	2 50	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt, not colored.	As certified, -----	5176
4.18	3.50	5.02	5.00	2 60	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt, not colored.	As certified, -----	4196
3.23	3.25	4.53	3.50	2 25	Cracked corn, wheat, barley, oats, buckwheat, and sunflower seeds.	As certified, -----	4308
3.92	3.60	3.37	4.00	2 25	Wheat, corn, Kaffir corn, milo maize, millet and re-cleaned miscellaneous seeds.	Wheat, corn, flaxseed, Kaffir corn, milo maize, millet and a large amount of weed seeds.	4331
4.00	3.60	3.70	4.00	2 25	Wheat, corn, barley, oats, Kaffir corn, milo maize, sunflower and re-cleaned miscellaneous field seeds.	Wheat, corn, barley, oats, Kaffir corn, milo maize, sunflower seed, flaxseed and a large amount of weed seeds.	3982
3.88	3.60	3.20	4.00	2 20	Wheat, corn, barley, oats, Kaffir corn, milo maize, sunflower and re-cleaned miscellaneous field seeds.	Wheat, corn, barley, oats, Kaffir corn, milo maize, sunflower seed, flaxseed and a large amount of weed seeds.	4330

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
4393	Purina Mill Feed, Scratch Size, Purina Mills, St. Louis, Mo.	Scotland, M. Ickes, -----	693	Per ct. 11.34	Per ct. 11.13	Per ct. 11.00
5106	Purina Mill Feed, Scratch Size, Purina Mills, St. Louis, Mo.	Chester, T. F. McCall, ---	1406	10.86	11.81	11.00
		Average, -----		11.51	11.21	-----
5148	American Poultry Feed, The Quaker Oats Co., Chicago, Ill.	Washington, G. W. McBrier.	1448	10.04	12.69	12.00
4102	American Poultry Feed, The Quaker Oats Co., Chicago, Ill.	West Bridgewater, W. W. McCullough.	402	10.64	12.56	12.00
4995	American Poultry Feed, The Quaker Oats Co., Chicago, Ill.	Sharon, J. M. Porter, ---	1295	9.72	12.75	12.00
		Average, -----		10.13	12.67	-----
3974	Red Hen Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Greensburg, McFarland Supply Co.	274	11.25	10.56	9.50
4009	American Hen Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Scottsdale, F. V. Perry & Co.	309	11.88	10.38	9.50
3879	Schumacher Little Chick Feed, The Quaker Oats Co., Chicago, Ill.	Coudersport, Eulalia Milling Co.	179	11.50	9.94	10.50
4080	Schumacher Little Chick Feed, The Quaker Oats Co., Chicago, Ill.	Kittanning, J. A. Gault & Co.	380	10.63	10.19	10.50
4573	Schumacher Little Chick Feed, The Quaker Oats Co., Chicago, Ill.	Huntingdon, Stouffer & Brenneiman.	873	11.37	10.94	10.00
4517	Schumacher Little Chick Feed, The Quaker Oats Co., Chicago, Ill.	Reading, Strunk & Moyer,	817	10.69	9.69	10.00
		Average, -----		11.04	10.19	-----
4645	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Altoona, Central Feed Co.,	945	9.99	10.75	10.00

FEEDING STUFFS COLLECTED IN 1910—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.50	Per ct. 3.60	Per ct. 3.02	Per ct. 4.00	\$2 25	Wheat, corn, barley, oats, Kaffir corn, milo maize, sunflower and re-cleaned miscellaneous field seeds.	Wheat, corn, barley, oats, Kaffir corn, milo maize, sunflower seeds, flaxseed and a considerable proportion of weed seeds.	4393
3.73	3.60	3.00	4.00	2 25	Wheat, corn, barley, oats, Kaffir corn, milo maize, sunflower and re-cleaned miscellaneous field seeds.	Wheat, corn, oats, barley, Kaffir corn, milo maize, sunflower seed and a considerable proportion of weed seeds.	5106
3.78	-----	3.23	-----	2 24			
4.90	3.50	4.15	9.00	1 90	Corn, barley, cottonseed meal and wheat bran.	As certified, -----	5148
6.00	3.50	5.28	9.00	1 75	Corn, barley, cottonseed meal, wheat bran and wheat middlings.	As certified, -----	4102
6.20	3.50	4.95	9.00	2 00	Corn, barley, cottonseed meal and wheat bran.	As certified, -----	4995
5.70	-----	4.79	-----	1 83			
3.93	3.50	2.71	4.50	2 00	Wheat, barley, Kaffir corn, buckwheat, cracked corn, sunflower seed, charcoal and ground marble.	As certified, -----	3974
3.95	3.50	2.55	4.50	38 00	Wheat, barley, Kaffir corn, buckwheat, cracked corn, sunflower seed, charcoal and ground marble.	As certified, -----	4009
8.80	3.50	1.82	3.00	42 00	Ground white and yellow corn, wheat, Kaffir corn, millet, charcoal and marble.	As certified, -----	3879
8.30	3.50	2.25	3.00	3 00	Ground white and yellow corn, wheat, Kaffir corn, millet, charcoal and marble grit.	As certified, -----	4080
8.63	2.50	2.57	5.00	2 25	Corn, wheat, Kaffir corn, millet, charcoal, ground marble, with not to exceed 6 per cent. marble grit and $\frac{1}{2}$ of 1 per cent. poultry charcoal.	Corn, millet, Kaffir corn, charcoal, ground marble grit and small amount of weed seeds.	4573
8.10	2.50	2.27	5.00	2.25	Corn, wheat, Kaffir corn, millet, charcoal, ground marble, with not to exceed 6 per cent. marble grit and $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	4517
3.46	-----	2.22	-----	48 00			
4.13	2.50	2.45	5.00	2 35	Wheat, barley, Kaffir corn, buckwheat, cracked yellow corn, sunflower seeds and ground charcoal, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	4645

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
3949	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Warren, T. N. Dunham, --	249	Per ct. 11.50	Per ct. 10.50	Per ct. 10.50
3876	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Coudersport, Eulalia Milling Co.	176	10.89	10.88	10.50
5023	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Oil City, The Magee Feed Co.	1323	10.35	10.94	10.00
4437	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Harrisburg, I. L. Nailor,--	737	11.86	11.50	10.00
5190	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Pitcairn, D. F. Salyards,--	1490	10.80	10.75	10.00
4536	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Allentown, Geo. B. Shelly Est.	836	10.50	11.13	10.00
4722	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Munson Station, Jacob Smutzinger.	1022	11.09	10.75	10.00
4518	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Moyer, Strunk & Reading,	818	11.62	10.75	10.00
		Average, -----		11.06	10.88	-----
4891	Scratch Feed, Robbins Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Kirkendall Son Co.	1191	9.71	11.06	-----
5162	Winner Mill Feed, Scratch Size, Robinson-Danforth Co., St. Louis, Mo.	Canonsburg, Canonsburg Milling Co.	1462	10.67	10.97	10.00
4305	Red Hen Scratch Feed, Saginaw Milling Co., Saginaw, Mich.	Brookville, Kline's Sifter Mills.	605	12.08	11.44	11-13

FEEDING STUFFS COLLECTED IN 1910—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.25	3.50	3.22	4.50	\$40 00	Wheat, barley, Kaffir corn, buckwheat, cracked yellow corn, sunflower seeds and ground charcoal.	As certified, -----	3949
4.00	3.50	2.20	4.50	40 00	Wheat, barley, Kaffir corn, buckwheat, cracked yellow corn, sunflower seeds and ground charcoal.	Wheat, barley, oats, Kaffir corn, buckwheat, cracked yellow corn, sunflower seed and ground charcoal.	3876
3.80	2.50	2.87	5.00	2 00	Wheat, rye, barley, Kaffir corn, buckwheat, corn, sunflower seeds, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	Wheat, rye, barley, Kaffir corn, buckwheat, corn, sunflower seeds, charcoal and trace of weed seeds.	5023
3.60	2.50	2.62	5.00	2 10	Wheat, barley, Kaffir corn, buckwheat, cracked yellow corn, sunflower seeds and ground charcoal, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	Wheat, barley, oats, Kaffir corn, buckwheat, cracked yellow corn, sunflower seed and charcoal.	4437
3.50	2.50	2.24	5.00	2 25	Wheat, rye, barley, Kaffir corn and sunflower seeds, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	5190
4.13	2.50	3.10	5.00	2 15	Wheat, barley, Kaffir corn, buckwheat, cracked yellow corn, sunflower seeds and ground charcoal, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	4536
3.45	2.50	2.87	5.00	2 00	Wheat, barley, Kaffir corn, buckwheat, cracked yellow corn, sunflower seeds and ground charcoal, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	4722
3.85	2.50	2.80	5.00	2 00	Wheat, barley, Kaffir corn, buckwheat, cracked yellow corn, sunflower seeds and ground charcoal, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	4578
3.86	-----	2.70	-----	41 89	-----	-----	-----
4.15	-----	4.52	-----	2 00	-----	Corn, oats, barley, wheat, buckwheat, Kaffir corn, sunflower seed, flaxseed and weed seeds.	4891
3.87	3.60	3.07	6.00	2 00	Wheat, corn, oats, barley, Kaffir corn, milo maize, sunflower seeds, re-cleaned and miscellaneous seeds.	Wheat, corn, oats, barley, Kaffir corn, milo maize, sunflower seeds and a large proportion of weed seeds.	5162
3.48	2.50-3	2.85	4-5	2 20	Grains and seeds, -----	Corn, oats, barley, wheat, buckwheat, Kaffir corn and sunflower seeds.	4305

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4207	Oriole Brand Poultry Feed, Wm. G. Scarlett & Co., Baltimore, Md.	York, Mitzel & Sloat,	507	Per ct. 11.31	Per ct. 11.38	Per ct. 11.67
4208	Shield Brand Chick Feed, Wm. G. Scarlett & Co., Baltimore, Md.	York, Mitzel & Sloat,	508	10.00	11.88	12.01
4209	Empire Brand Pigeon Feed, Wm. G. Scarlett & Co., Baltimore, Md.	York, Mitzel & Sloat,	509	10.68	14.56	12.50
4774	Mixed Grains, Schneider Bros., Mt. Carmel, Pa.	Mt. Carmel, Schneider Bros.	1074	11.90	9.94	-----
4944	Mixed Chicken Grain, Scranton Flour and Grain Co., Scranton, Pa.	Scranton, Scranton Flour and Grain Co.	1244	9.92	9.56	-----
4410	Purity Brand Chick Feed, W. A. Simpson & Co., Baltimore, Md.	Carlisle, S. B. Jackson, --	710	9.28	7.25	9.32
4411	Purity Brand Scratch Feed, W. A. Simpson & Co., Baltimore, Md.	Carlisle, S. B. Jackson, --	711	9.06	8.00	9.06
3937	Egg Mash Feed, Smith Bros., Bradford, Pa.	Bradford, Smith Bros., ---	237	12.31	23.00	17-20
4959	Swift's Poultry Bone, Swift & Co., Newark, N. J.	Butler, H. J. Klingler & Co.	1259	7.05	25.19	25.00
3745	Excelsior Chicken Feed, Swope Bros., Johnstown, Pa.	Johnstown, Swope Bros.,---	45	12.27	10.19	8.00
4500	W. M. C. Chick Feed, Wertz Milling Co., Reading, Pa.	Reading, Wertz Milling Co..	800	10.47	11.50	12.00
4501	W. M. C. Scratch Feed, Wertz Milling Co., Reading, Pa.	Reading, Wertz Milling Co.,	801	10.89	11.31	11.00
4493	Mashed Feed for Poultry, Geo. W. Wertz, Wernersville, Pa.	Reading, Geo. W. Wertz,---	793	8.34	16.38	16.00
ANIMAL BY-PRODUCTS.						
4055	Ground Beef Scraps, American Poultry Food Co., York, Pa.	Pittsburg, The I. W. Scott Co.	355	9.96	42.46	-----

FEEDING STUFFS COLLECTED IN 1910—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.95	Per ct. 3.37	Per ct. 4.35	Per ct. 4.50	\$2 10	Kaffir corn, cracked corn, millet, seeds, grain, etc., properly blended.	Kaffir corn, cracked corn, millet, oats, wheat, barley, buckwheat, peas, hemp seed, flaxseed and a considerable proportion of weed seeds.	4207
4.73	3.50	4.00	4.00	2 15	Kaffir corn, cracked corn, millet, seeds, grain, etc., properly blended.	Kaffir corn, cracked corn, millet, peas, wheat, oats, barley, flaxseed and small amount of weed seeds.	4208
6.00	3.90	5.14	3.50	2 15	Canada peas, Kaffir corn, cracked corn, millet, seeds, grains, etc., properly blended.	Canada peas, Kaffir corn, cracked corn, millet, oats, wheat, barley, buckwheat, hemp seed, flaxseed, grit and weed seeds.	4209
3.38		3.40		2 10	Cracked corn, oats, wheat, buckwheat and sunflower seeds.	As certified, -----	4774
5.65		2.90		2 00		Corn, oats, wheat, buckwheat, sunflower seed, mlea, grit and oyster shells.	1944
2.57	4.16	1.55	1.23	2 50		Cracked corn, oats, wheat, millet, grit and oyster shells.	4410
3.33	3.84	2.02	1.13	2 50		Corn, oats, barley, wheat, buckwheat, Kaffir corn, sunflower seeds, mlea, grit and oyster shells.	4411
5.33	4.00	7.56	10.00	40 00	Meal, middlings, alfalfa, clover meal, meat meal, oil meal and charcoal.	As certified, -----	3937
1.47	5.00	1.45		2 45		Poultry bone, -----	4959
3.40	2.00	4.15		1 75	Corn, Kaffir corn, buckwheat, wheat, oats, barley, sunflower seed, milo maize, oil cake, grit and oyster shells.	Corn, buckwheat, wheat, oats, barley, sunflower seed, grit and oyster shells.	3745
3.48	2.50	2.40	3 00	2 25	Cracked corn, wheat, Kaffir corn, wheat screenings and millet.	Cracked corn, wheat, Kaffir corn, wheat screenings, millet and trace of oats and corn cockle.	4500
3.14	5.00	2.85	4.00	2 25	Wheat, corn, Kaffir corn, wheat screenings, millet, buckwheat, grit, sunflower seeds and oats.	Wheat, corn, Kaffir corn, wheat screenings, millet, buckwheat, grit, sunflower seeds, oats and trace of corn cockle.	4501
5.40	5.00	5.20	7.00	2 25	Corn, oats, middlings, bran and animal meal.	As certified, -----	4493
23.55				2 50		Ground beef scraps, -----	4055

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4624	Meat Meal for Poultry, Baugh & Sons Co., Baltimore, Md.	Altoona, Martin & Co., --	924	Per ct. 8.68	Per ct. 65.81	Per ct. 50-55
5104	Ground Beef Scrap, The Fritz Co., Philadelphia, Pa.	Chester, T. F. McCall, ---	1404	5.72	48.81	50-55
4181	D. W. Romaine's Evaporated Boiled Beef and Bone, D. W. Romaine, Jersey City, N. J.	Elizabethtown, A. W. Martin.	481	3.61	39.38	45.00
4321	Spratt's Patent Ground Meat, Spratt's Patent, Ltd., Newark, N. J.	Williamsport, Gohl & King,	621	12.54	46.81	43.00
3916	Spratt's Patent Ground Meat, Spratt's Patent, Ltd., Newark, N. J.	Kane, J. A. Stoll & Co., --	216	8.96	48.75	43.00
		Average, -----		10.75	47.78	-----
4958	Swift's Beef Scrap, Swift & Co., Newark, N. J.	Butler, H. J. Klingler & Co.	1258	6.45	59.38	55-60
4757	Darling's Pure Ground Beef Scrap, The Van Iderstine Co., Long Island City, N. Y.	Sunbury, Blank & Gottshall.	1057	6.01	59.88	55.00
	CONDIMENTAL STOCK AND POULTRY FOODS.					
4607	Chick Manna, F. P. Cassei & Son, Lansdale, Pa.	Wilkinsburg, Johnston & Smith.	907	9.56	13.38	12-14
4817	Lee's Egg Maker and Chick Grower, Geo. H. Lee Co., Omaha, Neb.	Selinsgrove, H. J. Doebler,	1117	7.26	31.31	-----
4388	Little Giant Stock and Poultry Food, Little Giant Stock Food Co., Newark, N. J.	Shippensburg, John P. Wadel.	688	13.85	20.13	21-28
4163	Puritan Chick Food, Puritan-American Poultry Food Mfg. Co., Bound Brook, N. J.	Columbia, P. G. Brenne-man.	463	9.18	12.56	12.50
4369	Puritan Chick Food, Puritan-American Poultry Food Mfg. Co., Bound Brook, N. J.	Chambersburg, J. H. Smith & Son.	669	8.29	13.75	12.50
		Average, -----		8.73	13.16	-----

FEEDING STUFFS COLLECTED IN 1910—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 11.60	Per ct. 14-16	Per ct. 1.20	Per ct. -----	\$3 50	Ground pure beef and pork cracklings.	As certified, -----	4624
14.45	10.12	1.17	1.00	3 25	Ground beef cracklings, --	As certified, -----	5104
18.50	15.00	5.77	-----	2 50	Absolutely pure fresh meat and sheepsheds boiled, dried and ground into meal.	As certified, -----	4181
15.01	11.00	2.37	2.00	4 00	-----	Ground meat, -----	4321
16.20	11.00	-----	2.00	3 00	-----	Ground meat, -----	3916
15.61	-----	-----	-----	3 50	-----	-----	-----
11.65	10-15	2.40	-----	3 20	-----	Beef scraps, -----	4958
12.30	5.00	1.67	3.00	2 85	-----	Ground beef scraps,--	4757
4.42	4-5	1.70	2.54	10.00	Granular corn and oats, crackers, wheat middlings, gentiana, zinc, ginger, creta, anisum, ferri sulphas, sodium chloride, sulphur, starch, meat and bone.	As certified, -----	4607
2.26	-----	10.02	-----	10 00	Granulated blood (deodorized), linseed meal (55 per cent.), potassium nitrate, sodium sulphate, ginger, gentian, foenugreek, iron sulphate, cayenne, common salt, sulphur and charcoal, 45 per cent.	As certified, -----	4817
8.35	9-12	15.47	14-15	20 00	Sterilized meat meal, sterilized bone-flour, sterilized ground blood, C. P. charcoal, imported German fennel seed, imported French gentian root, imported African foenugreek seed and imported Spanish licorice root.	As certified, -----	4388
8.00	7.50	4.98	-----	5 00	Corn, wheat, meat, oyster shell, sulphur, anise seed, charcoal and foenugreek.	As certified, -----	4163
7.77	7.50	4.90	5.00	3 25	Corn, wheat, meat, oyster shell, sulphur, anise seed, charcoal and foenugreek.	As certified, -----	4369
7.89	-----	4.94	-----	4 13	-----	-----	-----

TABLE IX.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
4394	Sitley's Peerless Brand Condition Food, Sitley & Son, Inc., Camden, N. J.	Scotland, M. Ickes, -----	694	Per ct. 8.70	Per ct. 15.98	-----
4395	Sitley's Peerless Brand Poultry Food, Sitley & Son, Inc., Camden, N. J.	Scotland, M. Ickes, -----	695	9.10	19.72	-----
4974	Standard Stock Food, Standard Stock Food Co., Omaha, Neb.	New Castle, U. Z. Sweesy,	1274	6.61	9.56	1.00
4975	Standard Poultry Food, Standard Stock Food Co., Omaha, Neb.	New Castle, U. Z. Sweesy,	1275	7.50	17.13	1.00

FEEDING STUFFS COLLECTED IN 1910—Concluded.

Crude Fat.		Crude Fiber.		Price per pound.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$			
9.35		10.03				Cottonseed meal, linseed meal, sulphur, ginger, saltpeter, pepper, foenugreek, assafoetida and cake soda.	4394
4.88		14.65				Cottonseed meal, linseed meal, sulphur, ginger, alum, pepper, assafoetida and cake soda.	4395
4.90	1.00	14.12	20.00	17	Anise seed, caraway seed, coriander seed, foenugreek seed, gentian root, ginger root, licorice root, yellow dock root, capsicum, corn germ, sulphur, bicarbonate of soda, oil meal, charcoal and salt.	As certified, -----	4974
2.75	1.00	22.93	20.00	10	Gentian root, ginger root, capsicum, dried blood, bone meal, oyster shell, charcoal, alfalfa meal and salt.	As certified, -----	4975

